

2

AD

AD-A170 470

Report 2427

STATUS OF THE DEVELOPMENT  
OF A DATA BASE  
TO MONITOR LUBRICATION ORDER/  
LUBRICATION INSTRUCTION  
DOCUMENTS

Prepared by  
Charles C. Chapin

14 November 1985

DTIC  
ELECTE  
AUG 4 1986  
S B D

Distribution limited to US Government agencies only, test and evaluation; other requests for this document must be referred to Commander, Belvoir Research, Development and Engineering Center, ATTN: DTICBEVF, Fort Belvoir, VA 22060-5606.

United States Army  
Belvoir Research, Development & Engineering Center  
Fort Belvoir, Virginia 22060-5606



DISTRIBUTION STATEMENT A  
Approved for public release  
Distribution Unlimited

DTIC FILE COPY

86 7 31 036

**Destroy this report when no longer needed.  
Do not return it to the originator.**

**The citation in this report of trade names of  
commercially available products does not  
constitute official endorsement or approval  
of the use of such products.**

## **DISCLAIMER NOTICE**

**THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.**

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
	AD-A170 470	
4. TITLE (and Subtitle) STATUS OF THE DEVELOPMENT OF A DATA BASE TO MONITOR LUBRICATION ORDER/LUBRICATION INSTRUCTION DOCUMENTS		5. TYPE OF REPORT & PERIOD COVERED Interim
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Charles C. Chapin		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Materials Fuels and Lubricants Laboratory Fuels and Lubricants Division, STRBE-VF Belvoir RD&E Center, Fort Belvoir, VA 22060-5606		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE 14 November 1985
		13. NUMBER OF PAGES 53
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved For Public Release; Distribution is Unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)  Data Base                      Technical Manuals Computers                      Lubrication Lubrication Orders		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  A data base approach has been used to monitor the status of Army Lubrication Orders. Some of these documents date back to 1948 and most are not current. Most of the Lube Orders are over 10 yr old and do not reflect changes made during that time. The data base will be used to evaluate the status of projects to update these documents, on a quarterly basis.		

# CONTENTS

Section	Title	Page
	ILLUSTRATIONS	ii
	TABLES	iii
I	INTRODUCTION	1
II	APPROACH	1
III	SYSTEM DESCRIPTION	2
IV	ANALYSIS OF THE DATA	3
V	SUMMARY AND CONCLUSIONS	19
	APPENDICES	
	A. LUBE ORDERS BY PROPONENT AND NUMBER	20
	B. LUBE ORDERS BY DATE AND PROPONENT	35

S
D  
**DTIC**  
**ELECTE**  
 AUG 4 1986  
B

RE: Distribution Statement  
 Distribution Statement A is correct for this  
 report.  
 Per Mr. Rhee, Army Belvoir RD & E Center/  
 STRBE-VF

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/	
Availability Codes	
Date	As of and/or special
A-1	



## ILLUSTRATIONS

<b>Figure</b>	<b>Title</b>	<b>Page</b>
1	Total Number of Lube Orders by Proponent, 1985	7
2	Lube Orders Over 30 Years Old, by Proponent, 1981	9
3	Lube Orders Over 30 Years Old, by Proponent, 1985	10
4	Lube Orders Over 20 Years Old, by Proponent, 1981	11
5	Lube Orders Over 20 Years Old, by Proponent, 1985	12
6	Lube Orders Over 10 Years Old, by Proponent, 1981	13
7	Lube Orders Over 10 Years Old, by Proponent, 1985	14

## TABLES

<b>Table</b>	<b>Title</b>	<b>Page</b>
1	Lubrication Order Branches	2
2	Data Analysis	3
3	Format of Lubrication Order Data	4
4	Lubrication Orders by Proponent Command	5
5	Lubrication Orders Over 30 Years Old	5
6	Lubrication Orders Over 20 Years Old	5
7	Lubrication Orders Over 10 Years Old	5
8	Comparison of 1981 and 1985 Analyses	8
9	Lube Orders for FSG 2300 Tactical Vehicles	16
10	Truck Lube Orders	17
11	Tank Lube Orders	18

# STATUS OF THE DEVELOPMENT OF A DATA BASE TO MONITOR LUBRICATION ORDER/LUBRICATION INSTRUCTION DOCUMENTS

## I. INTRODUCTION

The U.S. Army has hundreds of equipment systems ranging from small operating machines, trucks, and construction equipment to tanks, helicopters, missiles, and watercraft. The lubrication requirements for these systems are contained in Lubrication Orders (LOs), Technical Manuals (TMs), and specifications. Lubrication Orders are prepared under the Military Specification MIL-M-63004, Preparation Instructions for Lubrication Orders, and Army Regulation AR 310-3, Preparation, Coordination, and Approval of Department of the Army Publications. The LOs are meant to be placed in or on the equipment so that lubrication instructions and intervals can be readily followed by maintenance personnel. Lubrication Orders are not used for Army aircraft. Those lubrication instructions are found in the combined Aviation Intermediate Maintenance (AVIM) and Aviation Unit Maintenance (AVUM) Technical Manuals but are often represented by Lubrication Order type lubrication charts. The listing of Army LOs can be found in DA Pam 310-1, Consolidated Index of Army Publications and Blanks Forms. This publication is currently supplied in microfiche form and is updated on a quarterly basis.

In 1980, the Fuels and Lubricants Division of the Materials, Fuels, and Lubricants Laboratory began a program to review LOs and lubrication instructions which were then covered by the Army Development and Readiness Command (DARCOM, now AMC) Regulation 750-11, Maintenance of Supplies and Equipment, Use of Lubricants, Fluids, and Associated Products. This regulation now states, "It is the policy of the Army Materiel Command (AMC) to use standard lubricants, fluids, and associated products in all vehicles and/or equipment designed, procured, and used by AMC or any of its subordinate activities. To insure the proper selection of lubricants, fluids, and related products, MIL-STD-838 (Lubrication of Military Equipment) shall be invoked in all equipment design specifications and new procurement documentation. Lubrication Orders and other lubrication instructions shall be coordinated with the U.S. Army Belvoir Research Development and Engineering (RD&E) Center to assure adequacy of product listings and to monitor inclusion of non-standard products."

This statement sets the policy for introducing fluids, lubricants, preservatives, and associated products into the Army supply system and requires that standardized (i.e., military or federal specification) products be used whenever and wherever possible. This project was initiated for the purpose of reviewing the status of the LOs, TMs, and other documentation with respect to: (1) removing references to obsolete specifications, (2) assuring the proper use and application of specification products, and (3) reducing the proliferation of non-standard proprietary products. The Federal Supply System contains approximately 400 Federal Supply Class 9150 (Oils and Greases, Cutting, Lubricating and Hydraulic) National Stock Numbers (NSNs) which the Army uses. Of these NSNs, many are non-standard (proprietary) products, which is contrary to the stated Army and DOD policy. In addition, whenever new equipment is introduced, new product NSNs are often created because of manufacturers' claims that specific products must be used. Since this new equipment typically can have a life cycle of 10 to 20 years, these non-standard products are very difficult, if not impossible, to eliminate from the system.

## II. APPROACH

A preliminary examination of technical documents revealed that there were approximately 700 to 800 LOs and hundreds of TMs. Within these documents, about one-hundred different lubricants were specified including many non-standard products. Such a large number of documents is more readily handled by computer than by human analysis, and, therefore, a data base system was selected. The system selected was an advanced user-friendly system which is very flexible in terms of its capability. The INFO data base manager program on the PRIME computer was used, since it was available and is easily programmed. The basic programs and operating routines were written by the

Information Management Directorate, Information Systems Division of the RD&E Center. The data base is managed by the Fuels and Lubricants Division of the Materials, Fuels, and Lubricants Laboratory. Once the initial data entry is completed, it will be updated and maintained by the Fuels and Lubricants Division on a semiannual or quarterly basis, using a report format.

### III. SYSTEM DESCRIPTION

The operating system contains LO information listed by LO number. The date, proponent, nomenclature, and lubricants are listed for each LO. The LO number gives the branch of the service for the equipment (see Table 1).

**TABLE 1. Lubrication Order Branches**

<b>SERIES</b>	<b>BRANCH</b>
LO 5	Engineer
LO 9	Ordnance
LO 10	Quartermaster
LO 11	Signal
LO 55	Transportation

The first set of digits gives the Federal Supply Code number for the item (e.g., 2300 for trucks and truck tractors, 1905 for combat ships and landing vessels). The next set of digits is the unique item number for the piece of equipment. The next two digits reflect the level of maintenance for which the document is to be used. The number "1" denotes operator maintenance, whereas the number "2" corresponds to activities of the first shop (i.e., the second level of maintenance). A combination of numbers such as "-23" designates that the maintenance would be performed in the first or second shops. Thus, LO 5-6675-322-12 is an engineer item (FSC 6675 refers to drafting, surveying, and mapping instruments), item number 322, and the maintenance called for in the LO is to be done by the operator (1) or the first shop (2).

The data about each LO or TM is entered manually and must be verified for accuracy. This information includes LO number, publication date, proponent, M-number, and lubricants called out. In the future, additional programs can be written to examine the data in various ways, or this can be done manually. Each item, LO, or TM (or other document such as a specification) is like a hard copy file. The data base is like a file cabinet, except that one can obtain various types of information. For example, "selecting" the data base puts all of the LOs into the working area (i.e., the file is open). Reselecting for LO number (or other parameter) puts that group of files into work space. Multiple selections, such as all LOs with the U.S. Army Tank-Automotive Command (TACOM) as the proponent, will return the files which contain all of the information in those files. All the LOs by TACOM, for instance, would be available; and these would include the LO numbers, dates, lubricants, etc. One more selection would leave only those files containing the LOs by TACOM which call out Grease, Automotive, and Artillery (GAA).

The INFO data base system allows the user to select records of data and reselect, compute, or otherwise act on that data. For example, selecting "LUBEBASE" returns all LO records (the numbers, dates, etc.). By reselecting for the proponent to contain the string "MICOM," all LOs with the U.S. Army Missile Command (MICOM) as the proponent would be selected. This process can be used to sort through the records by proponent, date, etc. One program can order the LOs by increasing or decreasing age, and then reselect for proponent to find out which proponent has the oldest LOs. Also, the lubricants and M-numbers can be selected. For example, reselecting "REFERENCE 1" to contain "M1" would return the LO for the M1 Abrams Tank. Similarly, reselecting for the military symbol (i.e., REFERENCE 1) to contain GAA would list all of the LOs which call out GAA. A very large number of combinations of these reselections can be performed to analyze the data from different perspectives.

#### IV. ANALYSIS OF THE DATA

Table 2 gives the results of an analysis obtained by running a program to reselect LOs by age and is broken down into 30-, 20-, and 10-yr-old groups for each proponent, as of March 1981.

**TABLE 2. Data Analysis**

---

Lubrication Orders over 30 years old, by proponent:

COMMAND	NUMBER OF DOCUMENTS
CECOM	1
TACOM	2
TROSCOM	4

Lubrication Orders over 20 years old, by proponent:

COMMAND	NUMBER OF DOCUMENTS
AMCCOM	2
CECOM	8
MICOM	10
TACOM	48
TROSCOM	46

Lubrication Orders over 10 years old, by proponent:

COMMAND	NUMBER OF DOCUMENTS
AMCCOM	21
CECOM	9
MICOM	20
TACOM	274
TROSCOM	182

---

TOTAL: 506 or 68.1 percent were over 10 years old in 1981.

---

There has been a tremendous amount of activity in the preparation of LOs for new equipment and equipment already in the field. Many LOs have been consolidated or deleted, and some have been added. Other examples of analyses which are possible are: the number of LOs by proponent, by branch within the Army, by both proponent and branch, the number of LOs containing non-standard products, the LOs with incorrect lubricants or symbols, and the lubricants used by a specific piece of equipment (i.e., M1 tank). An analysis can be done when a product is introduced or canceled, as in the recent cancellation of a ball and roller bearing grease, MIL-G-18709. The LOs using this grease would be listed, and the proponents would be notified, specifically, of this cancellation and of substitute products. The data base also can be adapted to the aircraft aviation TMs which contain lubrication charts and other information. The initial age survey was performed using data which is now almost four years old, and many LOs have changed. Their total number is currently around 625. This very rapid change (256 commented on; over 100 deleted)

has caused an editing problem due to the frequency of meaningful updates and other changes. The data base, as originally designed, cannot be changed significantly, and proper initial design is of fundamental importance. When originally developed, this data base contained several relational files. These files are like little data bases. One such file was the lubricants file. This was constructed to handle lubricant properties in addition to being keyed to specific LOs. Thus, while attempting to solve one problem (the use of non-standard products), another was created; and this part of the data base became cumbersome and was not pursued due to the advent of another approach altogether (the use or modification of a lubricants data base, DOD-STD-35-112(MI)), eliminating the need for a relational lubricants file and invalidating this portion of the data base. The lubricants are simply being added to the main data base without using a relational file structure. This problem was not anticipated, and it was decided that a less-sensitive means should be used to construct and complete the data base so that all of the information available can be readily accessed.

Over the past few years, personal computers have become increasingly popular and sophisticated, and many types of software are available for them. Since this laboratory has recently obtained personal computers, it was decided to use the LOs file as a base for the development of a prototype data base on a personal computer. In this way, any needed information or changes could be made rather easily (and inexpensively). Although the system is not nearly as sophisticated or as capable as the INFO system of the PRIME computer, this decision was made so that all of the problems in the system could be worked out on a system of manageable proportions. In order to handle this large data set on a personal computer, the information was placed onto floppy discs in groups of LO 3 and 5, LO 9, LO 10 and 11, and LO 55, so that four discs and report cycles are needed. The data entry is similar to the PRIME, but various options of format and content can be used. For example, Table 3 gives the parameters or items for each LO input into the system. Each set of LOs, as shown in Table 4, uses this format.

**TABLE 3. Format of Lubrication Order Data**

ITEM	SPACES ALLOWED
Lubrication Order Number	20
Lubrication Order Date	5
Lubrication Order Name	10
Proponent	7
In-House? (Y or N)	1
Lube 1	3
Lube 2-17	10 (100)

**TABLE 4. Lubrication Orders by Proponent Command**

COMMAND	LO 3 & 5	LO 9	LO 10 & 11	LO 55	TOTAL
AMCCOM	11	29	0	0	40
CECOM	0	0	11	0	11
MICOM	3	29	0	0	32
TACOM	177	46	49	0	272
TROSCOM	143	0	25	104	272
<b>Total</b>	<b>334</b>	<b>104</b>	<b>85</b>	<b>104</b>	<b>627</b>

Similarly, Tables 5, 6, and 7 show the LOs by proponent and branch for LOs more than 30, 20, and 10 years old

**TABLE 5. Lubrication Orders Over 30 Years Old**

COMMAND	LO 3 & 5	LO 9	LO 10 & 11	LO 55	TOTAL
AMCCOM	0	0	0	0	0
CECOM	0	0	4	0	4
MICOM	0	0	0	0	0
TACOM	1	1	0	0	2
TROSCOM	1	0	0	2	3
<b>Total</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>9</b>

**TABLE 6. Lubrication Orders Over 20 Years Old**

COMMAND	LO 3 & 5	LO 9	LO 10 & 11	LO 55	TOTAL
AMCCOM	3	3	0	0	6
CECOM	0	0	8		8
MICOM	0	4	0	0	4
TACOM	36	4	7	0	47
TROSCOM	8	0	1	40	49
<b>Total</b>	<b>47</b>	<b>11</b>	<b>16</b>	<b>40</b>	<b>114</b>

**TABLE 7. Lubrication Orders Over 10 Years Old**

COMMAND	LO 3 & 5	LO 9	LO 10 & 11	LO 55	TOTAL
AMCCOM	8	19	0	0	7
CECOM	0	0	9	0	9
MICOM	3	11	0	0	14
TACOM	109	10	20	0	139
TROSCOM	54	0	22	98	174
<b>Total</b>	<b>174</b>	<b>40</b>	<b>51</b>	<b>98</b>	<b>363</b>

The cross-reference to equipment M-numbers was not put into this system, since less than 100 LOs specify an M-number, or numbers, and the computer space needed to accommodate them would be prohibitive. One problem with this approach is how to search for a given lubricant, since some LOs have as many as 17 different lubricants listed. The problem of how to put this information into the system depends on how this information will ultimately be used. For example, engine oil designated by the symbol "OE/HD030" was "OE30". The LOs which specify this must be changed, and put it into the data base. Since both designations describe the same product, it would be necessary to have them both available when a selection is made. For instance, if it is desired to select all of the LOs which contain 30 weight engine oil, the search must be made for two products across 16 fields (or 32 searches), and this would be a very inefficient search process. Therefore, in this work, the products will be entered with the correct military symbols when the data is entered, and the LOs with the incorrect designations will be flagged and a comment sent to the proponent to correct the deficiency. Also, in order to facilitate search routines and minimize the number of routines needed, all lubricants, except GAA grease, will be entered into a single field (in the final data base) so that the data is more readily accessible. This is why the LUBE 2-17 is first shown as 10 characters and then compressed to only a single field of 100 characters. Thus, a single search will retrieve the LOs calling out GAA, and a single search will find any other lubricant. The LOs with proprietary products, or other deficiencies, will be flagged for comment.

This prototype set of data bases was constructed (Figure 1), and Table 4 shows the LOs by proponent and branch of the Army using the groups described above.

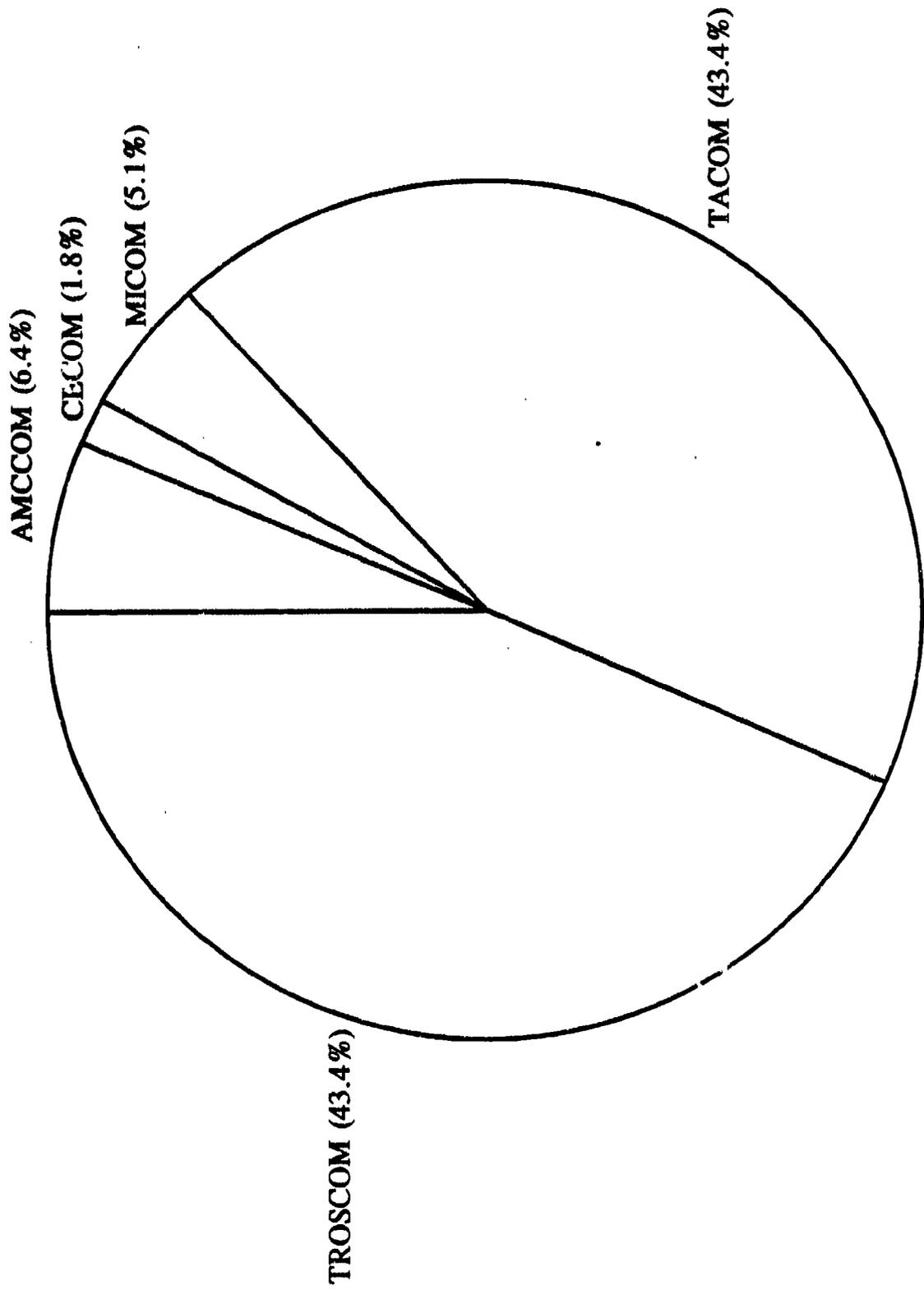


Figure 1. Total Number of Lube Orders by Proponent, 1985.

Appendix A contains a listing by LO number of all the LOs for each branch of the Army as well as a listing of all LOs by proponent. Appendix B contains the detailed listing of the LOs as listed in Tables 5, 6, 7. Table 8 and Figures 2 thru 7 show a comparison of the 1981 and 1985 analyses. Table 8 also gives the percentage of the total LOs which are over 30, 20, and 10 years old.

**Table 8. Comparison of 1981 and 1985 Analyses**

**Lubrication Orders over 30 years old, by proponent:**

<b>COMMAND</b>	<b>No. of Documents - 1981</b>	<b>No. of Documents - 1985</b>
AMCCOM	0	0
CECOM	1	4
MICOM	0	0
TACOM	2	2
TROSCOM	4	3
<b>Total</b>	<b>7 (0.9 %)</b>	<b>9 (1.4 %)</b>

**Lubrication Orders over 20 years old, by proponent:**

<b>COMMAND</b>	<b>No. of Documents - 1981</b>	<b>No. of Documents - 1985</b>
AMCCOM	2	6
CECOM	8	8
MICOM	10	4
TACOM	48	47
TROSCOM	46	49
<b>Total</b>	<b>114 (15.3 %)</b>	<b>114 (18.2 %)</b>

**Lubrication Orders over 10 years old, by proponent:**

<b>COMMAND</b>	<b>No. of Documents - 1981</b>	<b>No. of Documents - 1985</b>
AMCCOM	21	27
CECOM	9	9
MICOM	20	14
TACOM	274	139
TROSCOM	182	174
<b>Total</b>	<b>506 (68.1 %)</b>	<b>363 (57.9 %)</b>

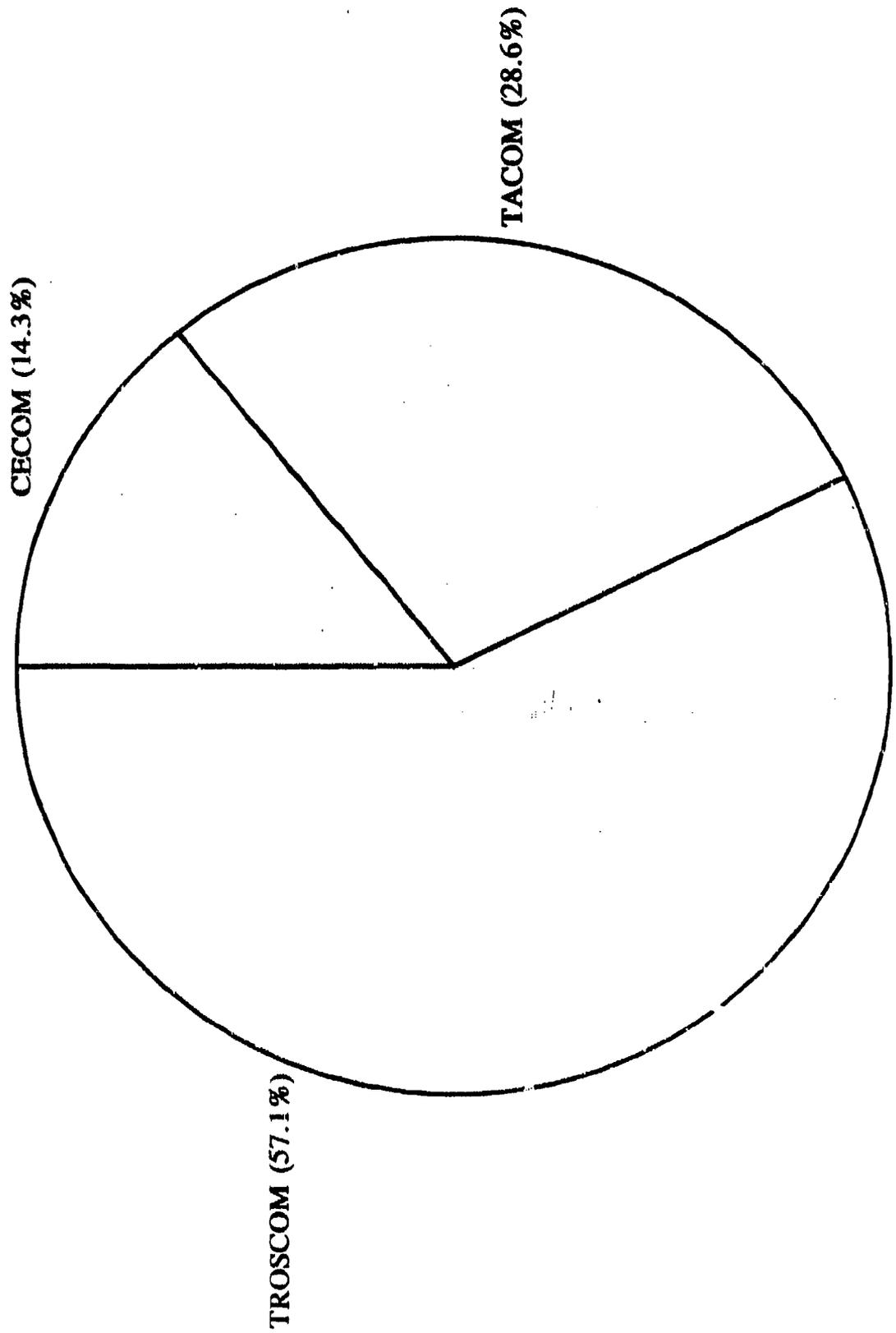


Figure 2. Lube Orders Over 30 Years Old, by Proponent, 1981.

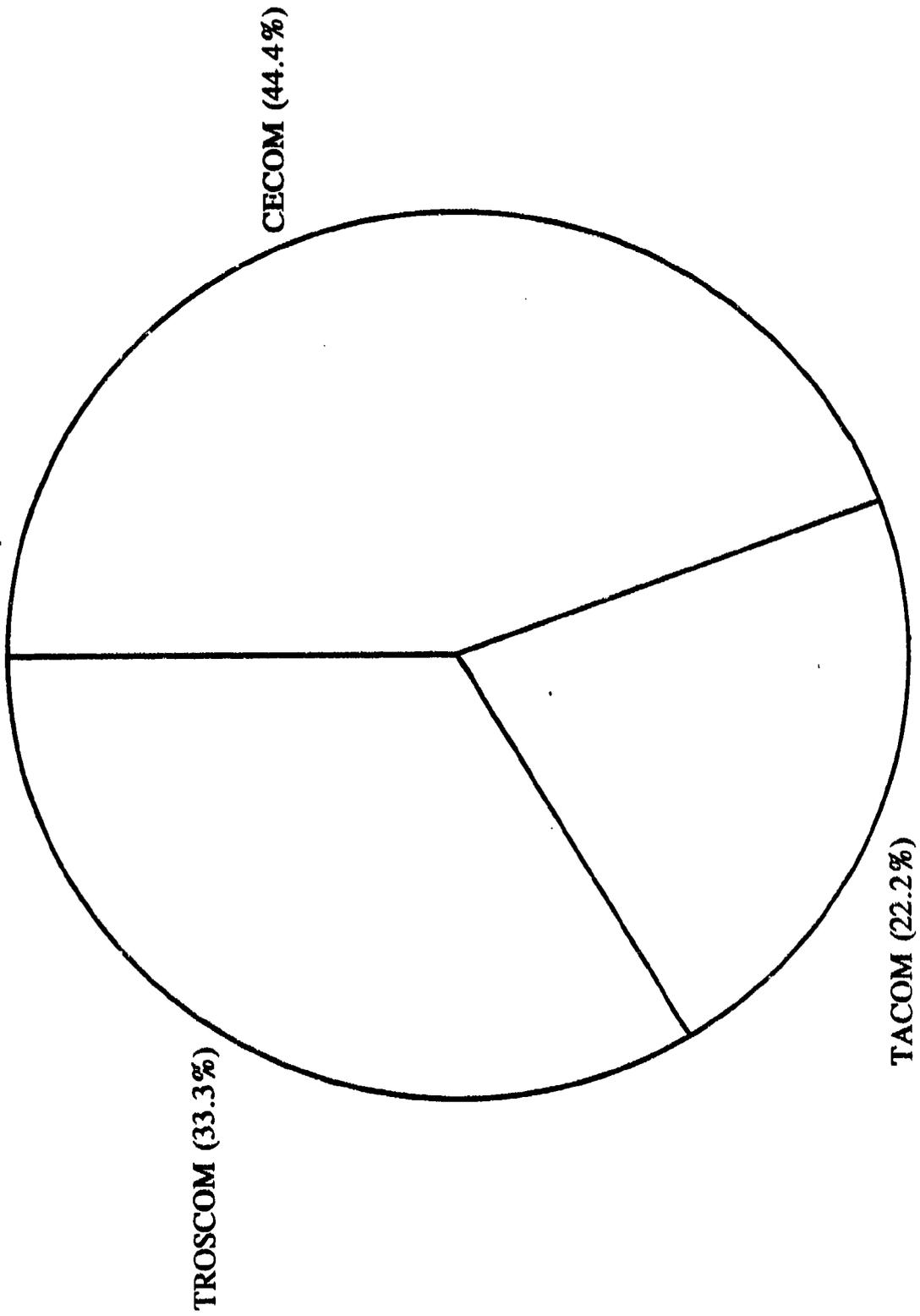


Figure 3. Lube Orders Over 30 Years Old, by Proponent, 1985.

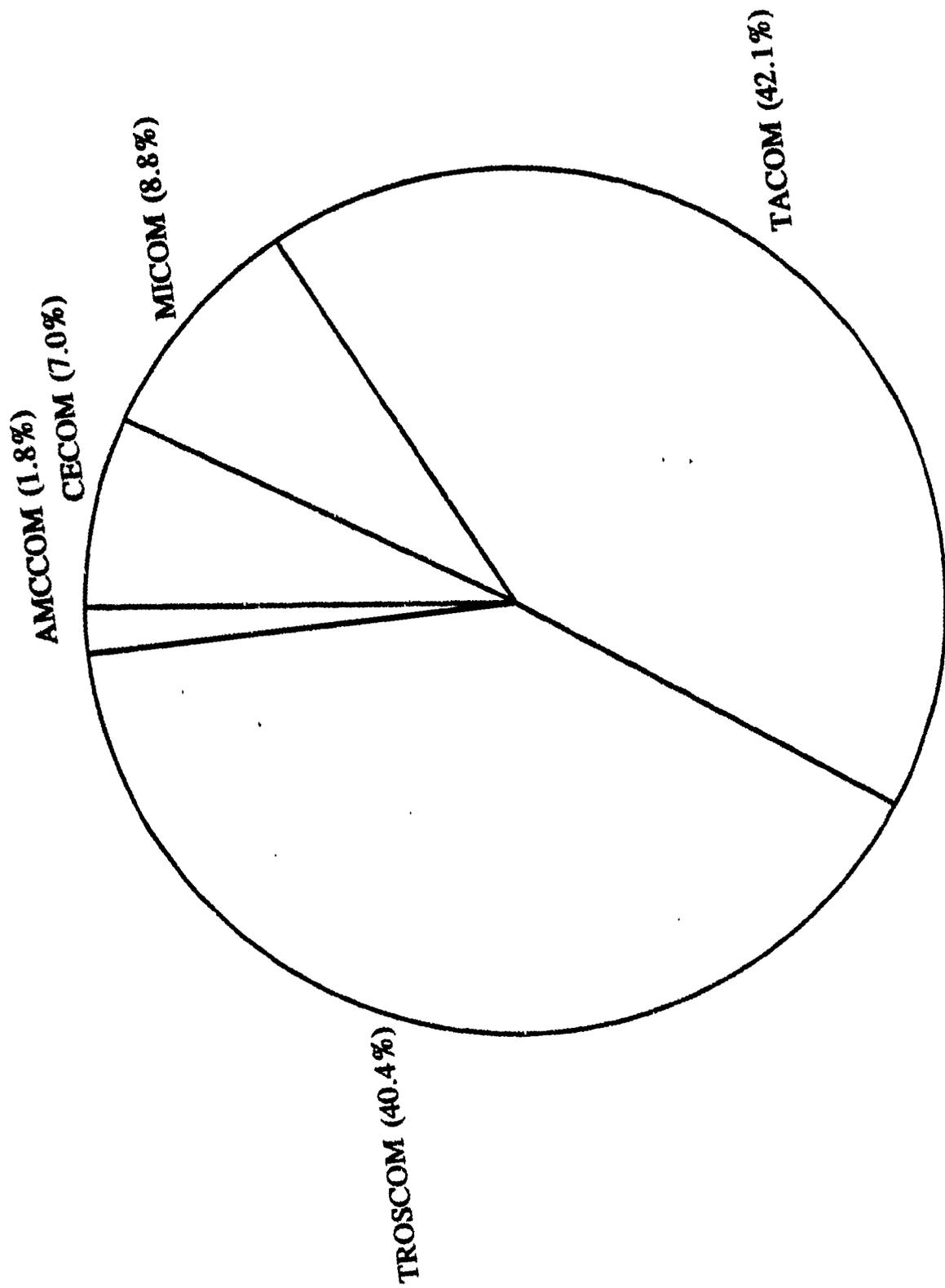


Figure 4. Lube Orders Over 20 Years - Oil Lube

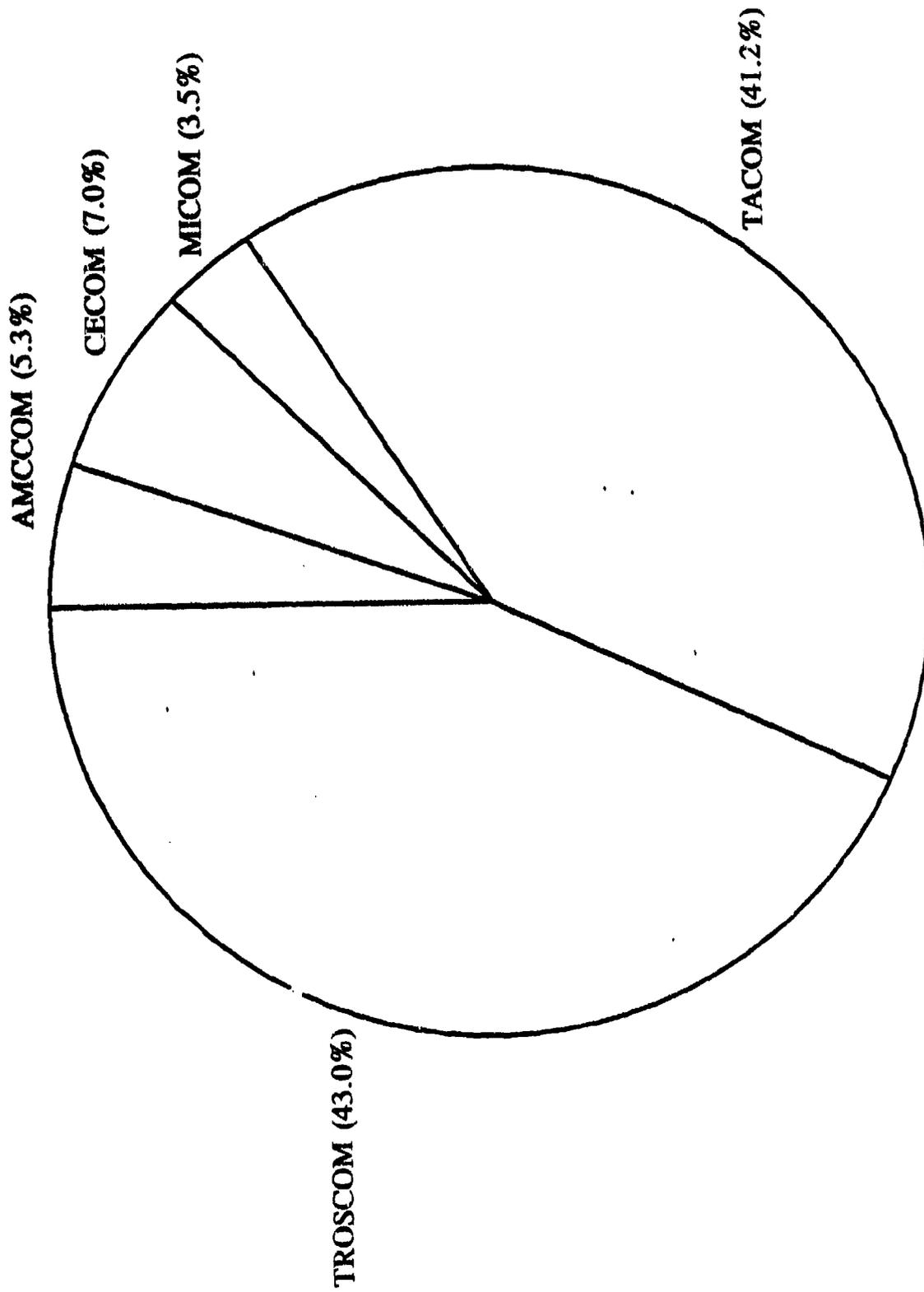


Figure 5. Lube Orders Over 20 Years Old, by Proponent, 1985.

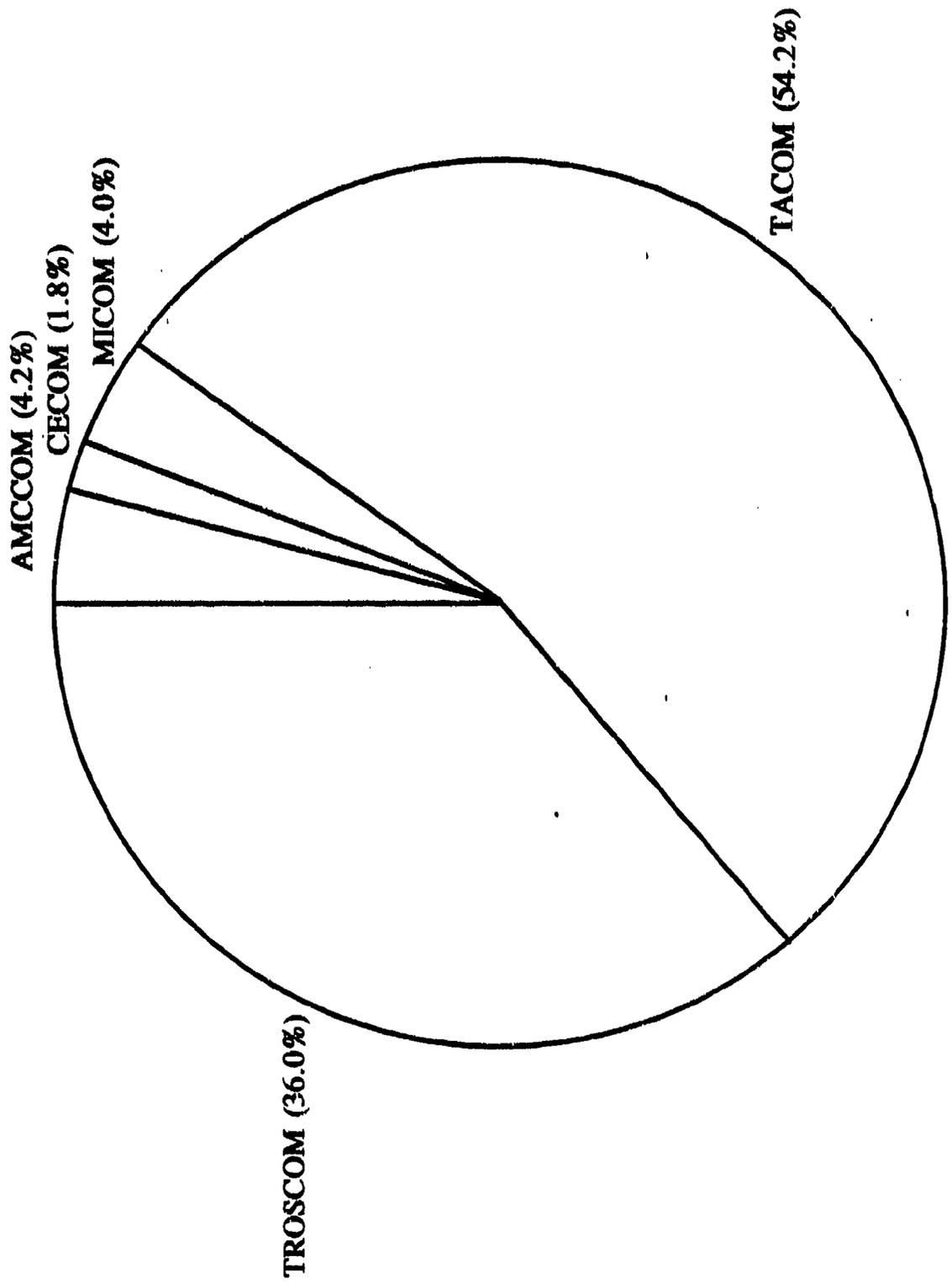


Figure 6. 10 Years Old, Inv. Promotes, 1981

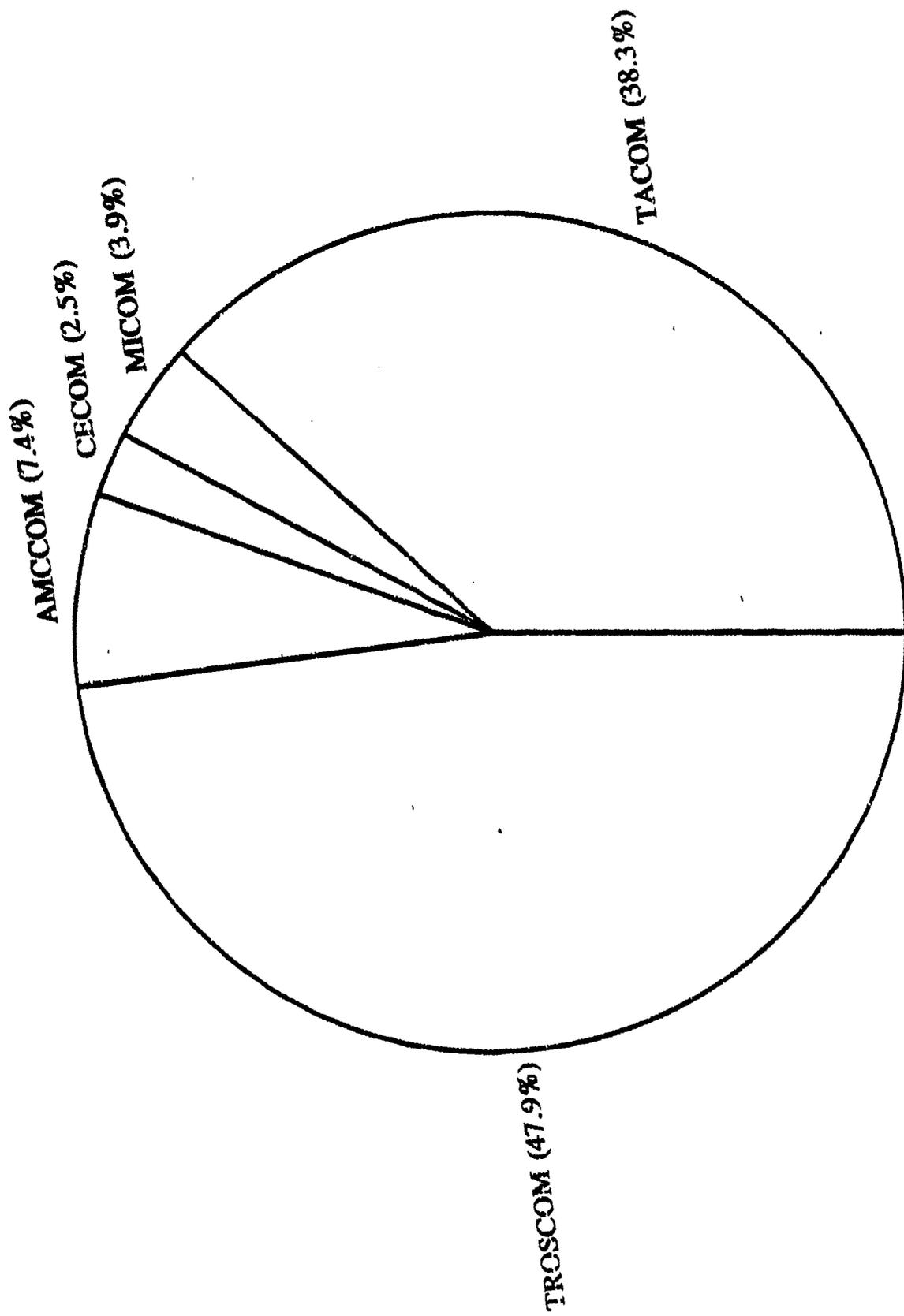


Figure 7. Lube Orders Over 10 Years Old, by Proponent, 1985.

It is significant to note that, although a very great number of LOs have been commented on (over 256), or were deleted (over 100), there is an increase in the oldest categories and only a modest drop in the most recent categories. The reason for this is that there have been many new LOs added to the system while, as time passes, the older categories actually increase slightly. Note that the 10-year-old category has only a slightly-lower percentage of LOs as compared to the earlier analyses, but that the total number of LOs is very much lower. A great many LOs have been deleted from the system, most of which were between 10 and 20 years old. This represents a very real improvement in the status of the LOs, but much work still remains to be done, and an objective must be specified, such as the complete updating of all LOs so that none are over 10 years old.

Table 9 shows all (LO 9) FSG 2300 item LOs and contains all 2300 series items including trucks, tanks, trailers, etc. The table was prepared by selecting the LOs which contained "LO9-23" in the LO number field. Similarly, if "LO 9-2320" is selected on this same field, all tactical trucks are listed; and this is shown in Table 10. If the string "Tank" is selected in the same field, Table 11 is the result. This table gives all of the LOs in the system for Tanks (M48, M60, M1).

Table 9. Lube Orders For FSG 2300 Tactical Vehicles

NUMBER	DATE	NAME	PROP
LO 9-2300-216-12	1977/5	SP HOWIT	AMCCOM
LO 9-2300-257-12	1979/1	CARRIER	TACOM
LO 9-2300-266-12	1976/7	10 T TRUCK	TACOM
LO 9-2300-269-12-1	1983/4	2 1/2 TRUCK	TACOM
LO 9-2300-210-12	1983/10	1/4T TRUCK	TACOM
LO 9-2300-230-12	1971/1	5T TRUCK	TACOM
LO 9-2300-233-12	1984/8	6T TRUCK	TACOM
LO 9-2300-242-12	1982/7	11/4T TRUC	TACOM
LO 9-2300-246-12	1988/6	1/2T TRUCK	TACOM
LO 9-2300-250-12	1982/3	221/2T TRU	TACOM
LO 9-2300-250-12	1983/11	5T TRUCK	TACOM
LO 9-2300-256-12	1981/12	11/4T TRUC	TACOM
LO 9-2300-259-12	1983/10	TELE TRUCK	TACOM
LO 9-2300-270-12	1984/1	TRUCK	TACOM
LO 9-2300-272-12	1985/3	5T TRUCK	TACOM
LO 9-2300-273-12	1983/1	TRUCK	TACOM
LO 9-2300-282-12	1983/6	10T TRUCK	TACOM
LO 9-2300-283-12	1983/6	TRUCK	TACOM
LO 9-2300-289-12	1983/7	11/4T TRUC	TACOM
LO 9-2300-288-12	1983/6	TRAILER	TACOM
LO 9-2300-220-12	1984/8	TRAILER	TACOM
LO 9-2300-222-12	1983/5	TRAILER	TACOM
LO 9-2300-269-12	1983/4	TRAILER	TACOM
LO 9-2300-287-12	1983/6	TRAILER	TACOM
LO 9-2300-280-12	1988/6	ANTI AIR G	TACOM
LO 9-2300-216-12	1983/12	TANK	TACOM
LO 9-2300-217-12 <sup>1</sup>	1983/12	SP HOW	AMCCOM
LO 9-2300-222-12	1983/12	COM ENG VE	TACOM
LO 9-2300-230-12	1980/2	ARM RECOM	TACOM
LO 9-2300-230-12	1973/12	TANK	TACOM
LO 9-2300-230-12	1985/3	RECOVERY V	AMCCOM
LO 9-2300-247-12	1982/3	CARRIER	TACOM
LO 9-2300-252-12	1984/8	BRADLEY	TACOM
LO 9-2300-253-12	1983/3	TANK	TACOM
LO 9-2300-253-12	1981/11	TANK	TACOM
LO 9-2300-256-12	1975/7	RECOVERY V	TACOM
LO 9-2300-257-12	1984/3	TANK	TACOM
LO 9-2300-258-12	1983/12	TANK	TACOM
LO 9-2300-259-12	1983/6	COM VEH	TACOM
LO 9-2300-260-12	1983/11	TANK	TACOM
LO 9-2300-261-12	1983/11	CARRIER	TACOM
LO 9-2300-272-12	1984/3	CARRIER	TACOM
LO 9-2300-300-12	1977/6	AIR DEF AR	AMCCOM
LO 9-2300-303-12	1981/1	SP HOW	AMCCOM
LO 9-2300-304-12	1984/12	SP HOW	AMCCOM

Table 10. Truck Lube Orders

NUMBER	DATE	NAME	PROP
LO 9-2320-206-12	1975/7	10 T TRUCK	TACOM
LO 9-2320-209-12-1	1983/4	21/2 TRUCK	TACOM
LO 9-2320-218-12	1983/10	1/4T TRUCK	TACOM
LO 9-2320-230-12	1971/1	5T TRUCK	TACOM
LO 9-2320-233-12	1984/8	8T TRUCK	TACOM
LO 9-2320-242-12	1982/5	11/4T TRUC	TACOM
LO 9-2320-246-12	1989/6	1/2T TRUCK	TACOM
LO 9-2320-258-12	1982/3	221/2T TRU	TACOM
LO 9-2320-260-12	1983/11	5T TRUCK	TACOM
LO 9-2320-266-12	1981/12	11/4T TRUC	TACOM
LO 9-2320-269-12	1983/10	TELE TRUCK	TACOM
LO 9-2320-270-12	1984/1	TRUCK	TACOM
LO 9-2320-272-12	1985/3	5T TRUCK	TACOM
LO 9-2320-273-12	1983/1	TRUCK	TACOM
LO 9-2320-282-12	1983/5	10T TRUCK	TACOM
LO 9-2320-283-12	1983/6	TRUCK	TACOM
LO 9-2320-289-12	1983/7	11/4T TRUC	TACOM

Table 11. Tank Lube Orders

NUMBER	DATE	NAME	PROP
LO 9-2350-215-12	1983/12	TANK	TACOM
LO 9-2350-232-12	1973/12	TANK	TACOM
LO 9-2350-253-12	1983/9	TANK	TACOM
LO 9-2350-255-12	1981/11	TANK	TACOM
LO 9-2350-257-12	1984/3	TANK	TACOM
LO 9-2350-258-12	1983/12	TANK	TACOM
LO 9-2350-260-12	1983/11	TANK	TACOM

## V. SUMMARY AND CONCLUSIONS

The first phases of the development of a lubricants data base have been completed, and very useful information has been generated. The fact that 68.1 percent of all LOs were found to be over 10 years old when this project began, and 57.9 percent are still over 10 years old, is significant. The projected lifetime for most equipment is usually 10 years, but most of the time it is actually closer to 20 years. The increase in the useful life must involve the updating of information--particularly, the routine maintenance functions, or the equipment will, very likely, not be properly maintained. Due to developments in other areas, the original data base structure, including relational files, is no longer valid. The M-numbers should be a separate mini-data base, while the lubricants should be entered in a single field of 100 to 150 characters. This new structure will optimize computer space, while still allowing a useful analysis of the information.

While a great deal of activity has occurred with respect to the status of the Army LOs (particularly by TACOM), over half of the current LOs are over 10 years old. This age should be the maximum, and validation or revision should take place at 5-year intervals, not 10 (or 20 or 30). Although this may seem a tremendous undertaking, the LOs which call out incorrect lubricants, or have other deficiencies, will be flagged during final data entry phase and will be commented on at that time.

**APPENDIX A  
LUBE ORDERS BY PROPONENT AND NUMBER  
LO 3,5 SERIES**

NUMBER	DATE	NAME	PROP
LO 3-1040-204-30	1973/8	FLAMETH.	AMCCOM
LO 3-1040-211-30	1963/7	FLAMETH.	AMCCOM
LO 3-1040-219-12	1976/9	SER. UNIT	AMCCOM
LO 3-1040-225-12	1976/9	COMPRESSOR	AMCCOM
LO 3-1040-241-12	1976/9	COMPRESSOR	AMCCOM
LO 3-1040-256-12	1969/5	SER. UNIT	AMCCOM
LO 3-1040-257-30	1973/5	FLAMETH.	AMCCOM
LO 3-4230-209-12	1974/6	DECON. APP	AMCCOM
LO 3-4240-207-12	1961/8	FILTER UN.	AMCCOM
LO 5-1049	1958/4	ROLLER	TACOM
LO 5-1154	1960/4	KETTLE	TACOM
LO 5-1161	1960/5	DISTRIB.	TACOM
LO 5-1185-1	1960/7	ROLLER	TACOM
LO 5-1185-2	1960/7	ROLLER	TACOM
LO 5-1450-201-15-1	1966/7	ELEVATOR	MICOM
LO 5-1450-201-15-2	1967/12	ELEVATOR	MICOM
LO 5-1450-204-12	1972/10	POWER ST.	MICOM
LO 5-1940-221-12	1984/10	BOAT	TROSCOM
LO 5-1940-277-12	1982/8	BOAT	TROSCOM
LO 5-2010-200-20-1	1961/11	PROPEL. U	TROSCOM
LO 5-2010-200-20-2	1961/11	PROPEL. U	TROSCOM
LO 5-2010-202-12-1	1971/5	PROPEL. U	TROSCOM
LO 5-2010-202-12-2	1971/2	PROPEL. U	TROSCOM
LO 5-2090-202-12	1961/12	CRADDLE	TROSCOM
LO 5-2330-305-12	1983/9	TOPO SUP S	TROSCOM
LO 5-2410-209-12	1984/4	TRACTOR	TACOM
LO 5-2410-212-15-1	1963/10	TRACTOR	TACOM
LO 5-2410-212-15-2	1963/10	TRACTOR	TACOM
LO 5-2410-214-12	1983/12	TRACTOR	TACOM
LO 5-2410-223-12-1	1972/4	TRACTOR	TACOM
LO 5-2410-223-12-2	1972/4	TRACTOR	TACOM
LO 5-2410-227-12-1	1971/1	TRACTOR	TACOM
LO 5-2410-227-12-2	1971/1	TRACTOR	TACOM
LO 5-2410-229-12-1	1968/3	TRACTOR	TACOM
LO 5-2410-229-12-2	1968/3	TRACTOR	TACOM
LO 5-2410-231-12-1	1968/3	TRACTOR	TACOM
LO 5-2410-231-12-2	1968/3	TRACTOR	TACOM
LO 5-2410-233-12	1983/12	TRACTOR	TACOM
LO 5-2420-206-12	1983/12	TRACTOR	TACOM
LO 5-2420-213-12	1984/7	TRACTOR	TACOM
LO 5-2420-218-12-1	1967/11	TRACTOR	TACOM
LO 5-2420-218-12-2	1967/11	TRACTOR	TACOM
LO 5-2420-219-12	1984/7	TRACTOR	TACOM
LO 5-2420-221-12-1	1973/7	TRACTOR	TACOM
LO 5-2420-221-12-2	1973/7	TRACTOR	TACOM
LO 5-2805-203-12	1978/7	ENGINE	TROSCOM
LO 5-2805-213-12	1977/3	ENGINE	TROSCOM

## LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-2805-256-12	1978/7	ENGINE	TROSCOM
LO 5-2805-257-12	1978/6	ENGINE	TROSCOM
LO 5-2805-258-12	1978/10	ENGINE	TROSCOM
LO 5-2805-259-12	1978/10	ENGINE	TROSCOM
LO 5-2805-261-12	1982/8	OUTB. MOT.	TROSCOM
LO 5-3431-205-12	1967/10	WELD. MACH	AMCCOM
LO 5-3431-209-15	1963/11	WELD. MACH	AMCCOM
LO 5-3610-252-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-3610-253-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-3655-210-12	1968/12	CONVERSION	TROSCOM
LO 5-3655-211-12-1	1969/3	GEN. PLANT	TROSCOM
LO 5-3655-211-12-2	1971/4	GEN. PLANT	TROSCOM
LO 5-3655-215-12	1971/1	COOLING T.	TROSCOM
LO 5-3655-216-12	1972/8	CONV.	TROSCOM
LO 5-3655-219-12	1972/10	CONV.	TROSCOM
LO 5-3740-200-12	1967/11	SPRAYER	TROSCOM
LO 5-3740-206-12	1968/9	SPRAYER	TROSCOM
LO 5-3740-214-12	1983/3	GEN.	TROSCOM
LO 5-3805-201-12-1	1971/2	LOADER	TACOM
LO 5-3805-201-12-2	1971/2	LOADER	TACOM
LO 5-3805-209-15-1	1966/7	GRADER	TACOM
LO 5-3805-209-15-2	1966/7	GRADER	TACOM
LO 5-3805-209-15-3	1966/7	GRADER	TACOM
LO 5-3805-209-15-4	1966/7	GRADER	TACOM
LO 5-3805-210-12-1	1970/5	GRADER	TACOM
LO 5-3805-210-12-2	1970/5	GRADER	TACOM
LO 5-3805-212-20-1	1961/11	TRENCHER	TACOM
LO 5-3805-212-20-3	1961/11	TRENCHER	TACOM
LO 5-3805-218-12	1983/3	SCRAPER	TACOM
LO 5-3805-219-12-1	1969/1	LOADER	TACOM
LO 5-3805-219-12-2	1969/1	LOADER	TACOM
LO 5-3805-231-12	1983/12	SCRAPER	TACOM
LO 5-3805-232-12-1	1965/11	LOADER	TACOM
LO 5-3805-232-12-2	1969/1	LOADER	TACOM
LO 5-3805-235-12	1983/12	SCRAPER	TACOM
LO 5-3805-237-12	1984/1	GRADER	TACOM
LO 5-3805-239-12	1983/12	LOADER	TACOM
LO 5-3805-240-12	1984/7	DITCHER	TACOM
LO 5-3805-243-12-1	1968/4	LOADER	TACOM
LO 5-3805-243-12-2	1968/4	LOADER	TACOM
LO 5-3805-245-12-1	1968/3	LOADER	TACOM
LO 5-3805-245-12-2	1968/3	LOADER	TACOM
LO 5-3805-246-12-1	1968/2	GRADER	TACOM
LO 5-3805-246-12-2	1968/2	GRADER	TACOM
LO 5-3805-246-12-3	1968/2	GRADER	TACOM
LO 5-3805-246-12-4	1968/2	GRADER	TACOM
LO 5-3805-249-12-1	1972/1	GRADER	TACOM
LO 5-3805-249-12-2	1972/1	GRADER	TACOM

LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-3805-249-12-3	1972/1	GRADER	TACOM
LO 5-3805-249-12-4	1972/1	GRADER	TACOM
LO 5-3805-250-12	1983/12	LOADER	TACOM
LO 5-3805-251-12	1983/12	LOADER	TACOM
LO 5-3805-252-12-1	1973/12	GRADER	TACOM
LO 5-3805-252-12-2	1978/5	GRADER	TACOM
LO 5-3805-252-12-3	1973/12	GRADER	TACOM
LO 5-3805-252-12-4	1973/12	GRADER	TACOM
LO 5-3805-253-12	1983/5	GRADER	TACOM
LO 5-3805-274-12	1983/12	DUMP TRUCK	TACOM
LO 5-3810-206-12-1	1971/3	CRANE	TACOM
LO 5-3810-206-12-2	1971/3	CRANE	TACOM
LO 5-3810-206-12-3	1971/3	CRANE	TACOM
LO 5-3810-206-12-4	1971/3	CRANE	TACOM
LO 5-3810-206-12-5	1971/3	CRANE	TACOM
LO 5-3810-207-20-1	1961/11	CRANE	TACOM
LO 5-3810-207-20-2	1961/11	CRANE	TACOM
LO 5-3810-207-20-3	1961/11	CRANE	TACOM
LO 5-3810-207-20-4	1961/11	CRANE	TACOM
LO 5-3810-207-20-5	1959/8	CRANE	TACOM
LO 5-3810-225-15-1	1964/1	CRANE	TACOM
LO 5-3810-225-15-2	1964/1	CRANE	TACOM
LO 5-3810-225-15-3	1964/1	CRANE	TACOM
LO 5-3810-225-15-4	1964/1	CRANE	TACOM
LO 5-3810-227-15-1	1964/1		TACOM
LO 5-3810-227-15-2	1964/1	CRANE	TACOM
LO 5-3810-227-15-3	1964/1	CRANE	TACOM
LO 5-3810-227-15-4	1964/1	CRANE	TACOM
LO 5-3810-231-12-1	1966/4	CRANE	TACOM
LO 5-3810-231-12-2	1966/4	CRANE	TACOM
LO 5-3810-232-12	1984/4	CRANE	TACOM
LO 5-3810-233-12	1971/10	CRANE	TACOM
LO 5-3810-233-12-1	1971/10	CRANE	TACOM
LO 5-3810-233-12-2	1971/10	CRANE	TACOM
LO 5-3810-237-12	1984/2	CRANE	TACOM
LO 5-3810-239-12	1984/7	CRANE	TACOM
LO 5-3810-239-12	1984/7	CRANE	TACOM
LO 5-3810-239-12	1983/11	CRANE	TACOM
LO 5-3810-234-12	1984/7	CRANE	TACOM
LO 5-3817-235-12	1984/7	CRANE	TACOM
LO 5-3820-200-20	1960/3	AUGER	TACOM
LO 5-3820-205-12-1	1984/7	CRUSHER	TACOM
LO 5-3820-205-12-2	1984/7	CRUSHER	TACOM
LO 5-3820-233-12-1	1984/3	CRUSHER	TACOM
LO 5-3820-233-12-2	1984/3	CRUSHER	TACOM
LO 5-3820-235-12	1984/7	DRILL	TACOM
LO 5-3820-236-12	1983/12	AUGER	TACOM
LO 5-3820-236-12-1	1983/10	DRILL MACH	TACOM

## LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-3820-238-12-2	1968/10	DRILL MACH	TACOM
LO 5-3820-239-12	1983/12	DRILL	TACOM
LO 5-3820-241-12	1984/4	DRILL	TACOM
LO 5-3820-242-12	1984/3	AUGER	TACOM
LO 5-3825-202-20	1959/12	DISTRIBUTE	TACOM
LO 5-3825-209-12	1984/1	SWEEPER	TACOM
LO 5-3825-213-20-1	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-2	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-3	1961/10	SNOW REM.	TACOM
LO 5-3825-221-12	1984/1	DISTR.	TACOM
LO 5-3825-232-12	1968/10	SWEEPER	TACOM
LO 5-3825-233-12	1971/4	DISTR.	TACOM
LO 5-3895-207-20	1963/11	ROLLER	TACOM
LO 5-3895-215-12	1983/12	KETTLE	TACOM
LO 5-3895-217-12	1984/1	DISTR.	TACOM
LO 5-3895-219-12	1984/6	MIXER	TACOM
LO 5-3895-221-12	1984/1	MIXER	TACOM
LO 5-3895-243-20-1	1963/6	DUST COLL.	TACOM
LO 5-3895-243-20-2	1963/6	DUST COLL.	TACOM
LO 5-3895-254-15	1963/10	DISTR.	TACOM
LO 5-3895-259-12	1984/5	DRYER	TACOM
LO 5-3895-263-12	1984/5	ROLLER	TACOM
LO 5-3895-264-12	1983/12	HEATER	TACOM
LO 5-3895-265-12	1963/12	HAMMER	TACOM
LO 5-3895-271-12	1983/12	ROLLER	TACOM
LO 5-3895-272-12	1983/12	ROLLER	TACOM
LO 5-3895-273-12	1983/12	ROLLER	TACOM
LO 5-3895-275-12	1984/7	PAVER	TACOM
LO 5-3895-278-12	1984/3	HEATER	TACOM
LO 5-3895-280-15-1	1967/5	MIXER	TACOM
LO 5-3895-280-15-2	1967/5	MIXER	TACOM
LO 5-3895-280-15-3	1967/5	MIXER	TACOM
LO 5-3895-281-12	1983/12	HEATER	TACOM
LO 5-3895-283-12	1983/12	DRYER	TACOM
LO 5-3895-287-12	1984/1	MIXER	TACOM
LO 5-3895-288-12	1983/12	FEEDER	TACOM
LO 5-3895-289-12	1983/12	FEEDER	TACOM
LO 5-3895-320-12	1983/12	DRYER	TACOM
LO 5-3895-321-12-1	1968/6	DUST COLL.	TACOM
LO 5-3895-321-12-2	1968/6	DUST COLL.	TACOM
LO 5-3895-322-12-1	1973/8	GRAD. CONT	TACOM
LO 5-3895-322-12-2	1973/8	GRAD. CONT	TACOM
LO 5-3895-326-12	1968/3	DISTR.	TACOM
LO 5-3895-327-12	1968/2	DISTR.	TACOM
LO 5-3895-328-12	1968/1	ROLLER	TACOM
LO 5-3895-329-12	1984/1	MIXER	TACOM
LO 5-3895-330-12	1983/12	SPREADER	TACOM
LO 5-3895-331-12-1	1970/12	FISHER	TACOM

LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-3895-331-12-2	1970/12	FISHER	TACOM
LO 5-3895-333-12	1984/1	HAMMER	TACOM
LO 5-3895-334-12	1984/1	KETTLE	TACOM
LO 5-3895-335-12	1969/9	SPREADER	TACOM
LO 5-3895-336-12	1984/7	ROLLER	TACOM
LO 5-3895-339-12	1974/1	KETTLE	TACOM
LO 5-3895-341-12	1972/1	ROLLER	TACOM
LO 5-3895-342-12	1984/1	MIXER	TACOM
LO 5-3895-371-12	1983/12	BITUMINOUS	TACOM
LO 5-3895-372-12	1983/12	CONCRETE	TACOM
LO 5-3910-200-12	1983/12	CONVEYER	TACOM
LO 5-4035	1968/5	DRIFTER	TROSCOM
LO 5-4110-217-12	1979/2	REFRIDG.	TROSCOM
LO 5-4110-223-12	1974/8	REFRIDG.	TROSCOM
LO 5-4110-224-12	1972/3	REFRIDG.	TROSCOM
LO 5-4110-235-12	1982/5	REFRIDG.	TROSCOM
LO 5-4210-213-12	1971/4	TRUCK	TROSCOM
LO 5-4210-217-12	1975/5	TRUCK	TROSCOM
LO 5-4310-214-20	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-219-12	1973/3	COMPRESSOR	TACOM
LO 5-4310-221-15	1962/4	COMPRESSOR	TROSCOM
LO 5-4310-226-12	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-227-15	1969/9	COMPRESSOR	TROSCOM
LO 5-4310-241-15	1965/9	COMPRESSOR	TROSCOM
LO 5-4310-246-15	1965/5	COMPRESSOR	TROSCOM
LO 5-4310-247-15	1965/4	COMPRESSOR	TACOM
LO 5-4310-250-12	1983/12	COMPRESSOR	TACOM
LO 5-4310-251-12	1970/5	COMPRESSOR	TROSCOM
LO 5-4310-256-15	1966/2	COMPRESSOR	TROSCOM
LO 5-4310-273-12	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-275-12	1971/2	COMPRESSOR	TROSCOM
LO 5-4310-276-12	1969/8	COMPRESSOR	TROSCOM
LO 5-4310-277-12	1969/8	COMPRESSOR	TROSCOM
LO 5-4310-278-12	1968/9	COMPRESSOR	TROSCOM
LO 5-4310-280-12-1	1974/1	COMPRESSOR	TACOM
LO 5-4310-280-12-2	1974/1	COMPRESSOR	TACOM
LO 5-4310-281-12	1968/3	COMPRESSOR	TROSCOM
LO 5-4310-332-12	1968/3	COMPRESSOR	TROSCOM
LO 5-4310-334-12	1968/6	COMPRESSOR	TROSCOM
LO 5-4310-337-12	1968/10	COMPRESSOR	TROSCOM
LO 5-4310-338-12	1984/1	COMPRESSOR	TACOM
LO 5-4310-339-12	1969/12	COMPRESSOR	TROSCOM
LO 5-4310-342-12	1984/7	COMPRESSOR	TACOM
LO 5-4310-343-12	1983/12	COMPRESSOR	TACOM
LO 5-4310-345-12	1972/7	COMPRESSOR	TROSCOM
LO 5-4310-348-12	1973/7	COMPRESSOR	TROSCOM
LO 5-4310-349-12	1974/9	COMPRESSOR	TROSCOM
LO 5-4310-350-12	1975/7	COMPRESSOR	TROSCOM

## LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-4310-352-12	1976/6	COMPRESSOR	TROSCOM
LO 5-4320-215-12	1978/5	PUMP	TROSCOM
LO 5-4320-216-12	1978/5	PUMP	TROSCOM
LO 5-4320-217-12	1978/5	PUMP	TROSCOM
LO 5-4320-218-12	1977/7	PUMP	TROSCOM
LO 5-4320-220-12	1978/5	PUMP	TROSCOM
LO 5-4320-222-12	1978/5	PUMP	TROSCOM
LO 5-4320-225-12	1984/1	PUMP	TROSCOM
LO 5-4320-233-15	1965/12	PUMP	TROSCOM
LO 5-4320-234-12	1978/5	PUMP	TROSCOM
LO 5-4320-237-12	1977/6	DUMPER	TROSCOM
LO 5-4320-240-12	1977/7	PUMP	TROSCOM
LO 5-4320-243-12	1978/5	PUMP	TROSCOM
LO 5-4320-248-12	1977/7	FUEL SYS.	TROSCOM
LO 5-4320-251-12	1978/5	PUMP	TROSCOM
LO 5-4320-252-12	1978/5	PUMP	TROSCOM
LO 5-4320-255-12	1969/7	PUMP	TROSCOM
LO 5-4320-258-12	1977/7	PUMP	TROSCOM
LO 5-4320-259-12	1977/6	PUMP	TROSCOM
LO 5-4320-272-12	1978/5	PUMP	TROSCOM
LO 5-4320-273-12	1978/5	PUMP	TROSCOM
LO 5-4610-205-12	1978/5	WATER PUR.	TROSCOM
LO 5-4610-208-12	1978/5	WATER PUR.	TROSCOM
LO 5-4610-215-12	1982/8	WATER PUR.	TROSCOM
LO 5-4610-218-12	1978/11	WATER PUR.	TROSCOM
LO 5-4610-221-12	1978/5	WATER PUR.	TROSCOM
LO 5-4610-223-12	1978/5	WATER PUR.	TROSCOM
LO 5-4620-201-12	1968/5	DIST. UNIT	TROSCOM
LO 5-4930-203-12	1968/6	LUBR. UNIT	TROSCOM
LO 5-4930-206-12	1978/5	LUBR. UNIT	TROSCOM
LO 5-4930-207-12	1978/5	LUBR. UNIT	TROSCOM
LO 5-4930-217-12	1978/5	LUBR. UNIT	TROSCOM
LO 5-4930-218-12	1978/5	LUBR. UNIT	TROSCOM
LO 5-4930-227-12	1978/5	TRUCK PUMP	TROSCOM
LO 5-4930-230-12	1975/3	TANK PUMP	TROSCOM
LO 5-4940-228-12	1979/6	SPRAYER	TROSCOM
LO 5-5065	1954/2	COMPRESSOR	TACOM
LO 5-5420-200-12	1964/5	LAUNCHER	TACOM
LO 5-5420-202-12	1983/11	LAUNCHER	TACOM
LO 5-5420-205-12	1973/9	SUPERSTR.	TROSCOM
LO 5-5420-209-12-1	1975/5	TRANSPOR.	TROSCOM
LO 5-5420-209-12-2	1975/5	TRANSPOR.	TROSCOM
LO 5-5420-210-12	1977/4	TRANSPOR.	TROSCOM
LO 5-5420-226-12	1981/2	LAUNCHER	TACOM
LO 5-6030	1956/12	PRESS	TROSCOM
LO 5-6075	1957/3	PROJECTOR	TROSCOM
LO 5-6115-235-15	1961/3	GENERATOR	TROSCOM
LO 5-6115-274-12	1975/10	GENERATOR	TROSCOM

## LO 3,5 SERIES

NUMBER	DATE	NAME	PROP
LO 5-6115-293-12	1975/10	GENERATOR	TROSCOM
LO 5-6115-320-12	1965/8	GENERATOR	TROSCOM
LO 5-6115-339-12	1966/3	GENERATOR	TROSCOM
LO 5-6115-357-12	1975/10	GENERATOR	TROSCOM
LO 5-6115-400-12	1975/10	GENERATOR	TROSCOM
LO 5-6115-434-12	1979/10	POWER UNIT	TROSCOM
LO 5-6115-440-12	1968/7	GENERATOR	TROSCOM
LO 5-6115-449-12	1975/8	GENERATOR	TROSCOM
LO 5-6115-456-12	1978/7	EL. POWER	TROSCOM
LO 5-6115-457-12	1975/8	GENERATOR	TROSCOM
LO 5-6115-458-12	1979/1	GENERATOR	TROSCOM
LO 5-6115-464-12	1979/2	GENERATOR	TROSCOM
LO 5-6115-465-12	1979/2	GENERATOR	TROSCOM
LO 5-6115-545-12	1975/12	GENERATOR	TROSCOM
LO 5-6115-550-12	1970/12	POWER PL.	TROSCOM
LO 5-6115-574-12	1975/8	GENERATOR	TROSCOM
LO 5-6115-575-12	1975/8	GENERATOR	TROSCOM
LO 5-6115-584-12	1977/8	GENERATOR	TROSCOM
LO 5-6115-585-12	1977/8	GENERATOR	TROSCOM
LO 5-6115-586-12	1979/10	POWER PL.	TROSCOM
LO 5-6115-590-12	1981/8	POWER PL.	TROSCOM
LO 5-6115-597-12	1981/10	GENERATOR	TROSCOM
LO 5-6115-598-12	1983/5	GENERATOR	TROSCOM
LO 5-6115-603-12	1983/10	GENERATOR	TROSCOM
LO 5-6120-250-12	1972/5	SUBSTATION	TROSCOM
LO 5-5230-200-13	1965/8	SEARCHLITE	TROSCOM
LO 5-5665-203-12	1969/1	DETECTOR	TROSCOM
LO 5-5675-201	1959/7	PROJECTOR	TROSCOM
LO 5-5675-313-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-314-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-315-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-316-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-317-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-318-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-319-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-320-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-321-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-322-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-323-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-324-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-325-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-326-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-5675-328-12	1983/9	TOPO. SUP.	TROSCOM
LO 5-9032	1960/5	TRAILER	TACOM
LO 5-9259	1956/10	TRUCK	TACOM
LO 5-9427	1954/2	PUMP	TROSCOM

LO 9 SERIES

NUMBER	DATE	NAME	PROP
LO 9-1005-257-12	1969/10	ARMAMENT	AMCCOM
LO 9-1005-262-12	1973/4	ARMAMENT	AMCCOM
LO 9-1005-266-12	1982/3	AIR DEF GU	AMCCOM
LO 9-1005-298-12	1970/7	ARMAMENT	AMCCOM
LO 9-1005-299-12	1972/6	ARMAMENT	AMCCOM
LO 9-1010-207-12	1968/8	ARMAMENT	AMCCOM
LO 9-1010-203-10	1972/1	T HOWITZER	AMCCOM
LO 9-1010-215-12	1971/5	MORTAR	AMCCOM
LO 9-1010-221-10	1974/7	RIFLE	AMCCOM
LO 9-1010-204-10	1972/3	T HOWITZER	AMCCOM
LO 9-1020-200-10	1966/4	T HOWITZER	AMCCOM
LO 9-1020-211-10	1982/3	T HOWITZER	AMCCOM
LO 9-1055-202-10	1965/3	LAUNCHER R	AMCCOM
LO 9-1055-203-10	1965/1	HEAT TIED	AMCCOM
LO 9-1055-205-10	1972/8	LAUNCHER R	AMCCOM
LO 9-1055-200-10	1964/10	HANDLING U	AMCCOM
LO 9-1055-215-10	1966/5	LAUNCHER R	AMCCOM
LO 9-1090-202-12	1970/5	ARMAMENT	AMCCOM
LO 9-1090-203-12	1973/3	ARMAMENT	AMCCOM
LO 9-1090-204-12	1967/4	MOUNT	AMCCOM
LO 9-1090-206-12	1981/6	ARMAMENT	AMCCOM
LO 9-1095-205-12	1984/9	MINE DISP.	AMCCOM
LO 9-1400-250-20	1965/1	LAUNCHER R	MICOM
LO 9-1425-485-12	1984/11	LANCE	MICOM
LO 9-1425-625-12	1984/3	ROLAND	MICOM
LO 9-1430-1528-12	1982/5	RADAR	MICOM
LO 9-1430-1533-12	1984/8	RADAR	MICOM
LO 9-1430-1534-12	1983/8	RADAR	MICOM
LO 9-1430-1535-12	1985/3	CMD POST	MICOM
LO 9-1430-250-20	1961/11	NIKE	MICOM
LO 9-1430-254-20	1971/8	RADAR	MICOM
LO 9-1430-300-12	1975/8	RADAR	MICOM
LO 9-1430-303-12	1970/1	RADAR	MICOM
LO 9-1430-310-12	1970/1	RADAR	MICOM
LO 9-1430-317-12	1970/1	RADAR	MICOM
LO 9-1430-327-12	1981/3	HAWK	MICOM
LO 9-1430-328-12	1982/3	RADAR	MICOM
LO 9-1430-329-12	1978/5	RADAR	MICOM
LO 9-1430-333-12	1983/8	RADAR	MICOM
LO 9-1430-334-12	1965/2	RADAR	MICOM
LO 9-1430-335-12	1976/1	CMD POST	MICOM
LO 9-1430-338-12	1984/7	RADAR	MICOM
LO 9-1430-300-14	1984/5	CMD POST	MICOM
LO 9-1440-500-12	1973/7	LAUNCHER	MICOM
LO 9-1440-501-12	1965/3	LAUNCHER	MICOM
LO 9-1440-505-12	1977/12	LAUNCHER	MICOM
LO 9-1440-500-14	1984/5	LAUNCHER	MICOM

## LO 9 SERIES

NUMBER	DATE	NAME	PROP
LO 9-1450-485-12	1973/12	CARRIER	TACOM
LO 9-1450-50-12	1983/6	TRANSPORTE	TACOM
LO 9-1450-585-12	1983/10	CARRIER	TACOM
LO 9-1450-646-12	1984/8	CARRIER	TACOM
LO 9-2300-215-12	1977/5	SP HOWIT	AMCCOM
LO 9-2300-237-12	1979/1	CARRIER	TACOM
LO 9-2320-206-12	1976/7	10 T TRUCK	TACOM
LO 9-2320-209-12-1	1983/4	21/2 TRUCK	TACOM
LO 9-2320-211-12	1984/2	5T TRUCK	TACOM
LO 9-2320-218-12	1983/10	1/4T TRUCK	TACOM
LO 9-2320-238-12	1971/1	5T TRUCK	TACOM
LO 9-2320-239-12	1984/8	8T TRUCK	TACOM
LO 9-2320-242-12	1982/6	11/4T TRUC	TACOM
LO 9-2320-246-12	1968/6	1/2T TRUCK	TACOM
LO 9-2320-258-12	1982/3	221/2T TRU	TACOM
LO 9-2320-260-12	1983/11	5T TRUCK	TACOM
LO 9-2320-266-12	1981/12	11/4T TRUC	TACOM
LO 9-2320-269-12	1983/10	TELE TRUCK	TACOM
LO 9-2320-276-12	1984/1	TRUCK	TACOM
LO 9-2320-272-12	1985/3	5T TRUCK	TACOM
LO 9-2320-273-12	1983/1	TRUCK	TACOM
LO 9-2320-282-12	1983/6	10T TRUCK	TACOM
LO 9-2320-283-12	1983/6	TRUCK	TACOM
LO 9-2320-289-12	1983/7	11/4T TRUC	TACOM
LO 9-2330-208-12	1963/6	TRAILER	TACOM
LO 9-2330-220-12	1984/8	TRAILER	TACOM
LO 9-2330-222-12	1963/5	TRAILER	TACOM
LO 9-2330-269-12	1963/4	TRAILER	TACOM
LO 9-2330-357-12	1983/6	TRAILER	TACOM
LO 9-2350-202-12	1968/6	ANTI AIR G	TACOM
LO 9-2350-215-12	1983/12	TANK	TACOM
LO 9-2350-217-12M	1980/12	SP HOW	AMCCOM
LO 9-2350-222-12	1983/12	COM ENG VE	TACOM
LO 9-2350-230-12	1980/2	ARM RECON	TACOM
LO 9-2350-232-12	1973/12	TANK	TACOM
LO 9-2350-238-12	1985/3	RECOVERY V	AMCCOM
LO 9-2350-247-12	1982/3	CARRIER	TACOM
LO 9-2350-252-12	1984/8	BRADLEY	TACOM
LO 9-2350-253-12	1983/9	TANK	TACOM
LO 9-2350-255-12	1981/11	TANK	TACOM
LO 9-2350-256-12	1976/7	RECOVERY V	TACOM
LO 9-2350-257-12	1984/3	TANK	TACOM
LO 9-2350-258-12	1983/12	TANK	TACOM
LO 9-2350-259-12	1983/6	COM VEH	TACOM
LO 9-2350-260-12	1983/11	TANK	TACOM
LO 9-2350-261-12	1983/11	CARRIER	TACOM
LO 9-2350-272-12	1984/3	CARRIER	TACOM

LO 9 SERIES

NUMBER	DATE	NAME	PROP
LO 9-2350-000-10	1977/6	AIR DEF AR	AMCCOM
LO 9-2350-003-12	1981/1	SP HOW	AMCCOM
LO 9-2350-004-12	1984/12	SP HOW	AMCCOM
LO 9-2350-213-12	1970/8	BULLDOZER	TACOM
LO 9-4910-261-12	1960/10	JACK	AMCCOM
LO 9-4930-500-12	1970/1	HAWK	MICOM
LO 9-4930-507-12	1971/3	CHAPPARAL	MICOM
LO 9-767	1940/9	TRAILER	TACOM
LO 9-950-4-1	1957/10	CARRIER	MICOM
LO 9-950-4-2	1957/10	SERV.	MICOM

LO 10,11 SERIES

NUMBER	DATE	NAME	PROP
LO10-3950-205-12	1984/2	CRANE TR	TACOM
LO10-3510-208-12	1977/9	LAUNDRY UN	TROSCOM
LO10-3530-10-6	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-1	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-2	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-3	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-4	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-5	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-7	1965/3	SEW MACH	TROSCOM
LO10-3530-202-10-8	1965/3	SEW MACH	TROSCOM
LO10-3530-203-10-1	1965/10	CLOTH REP	TROSCOM
LO10-3530-203-10-2	1965/10	CLOTH REP	TROSCOM
LO10-3530-203-10-3	1965/10	CLOTH REP	TROSCOM
LO10-3530-203-10-4	1966/2	CLOTH REP	TROSCOM
LO10-3610-200-12	1970/2	PRIN PRESS	TROSCOM
LO10-3610-220-12	1970/2	PR PRESS	TROSCOM
LO10-3930-215-20	1963/7	TRUCK	TACOM
LO10-3930-222-12	1964/4	TRUCK LIFT	TACOM
LO10-3930-225-20	1964/1	TRUCK LIFT	TACOM
LO10-3930-231-20-1	1964/3	TRUCK LIFT	TACOM
LO10-3930-232-20-1	1965/5	TRUCK LIFT	TACOM
LO10-3930-232-20-2	1965/5	TRUCK LIFT	TACOM
LO10-3930-233-12	1964/7	TRUCK LIFT	TACOM
LO10-3930-234-20	1964/5	TRUCK LIFT	TACOM
LO10-3930-235-12	1964/7	TRUCK LIFT	TACOM
LO10-3930-237-12	1964/3	TRUCK LIFT	TACOM
LO10-3930-238-12	1964/3	TRUCK LIFT	TACOM
LO10-3930-242-12	1964/1	TRUCK LIFT	TACOM
LO10-3930-243-12	1964/2	TRUCK LIFT	TACOM
LO10-3930-252-12	1963/10	TRUCK LIFT	TACOM
LO10-3930-253-12	1963/10	TRUCK LIFT	TACOM
LO10-3930-255-20	1965/4	TRUCK LIFT	TACOM
LO10-3930-255-20	1965/4	TRUCK LIFT	TACOM
LO10-3930-257-20	1965/4	TRUCK LIFT	TACOM
LO10-3930-407-20	1963/7	TRACTOR	TACOM
LO10-3930-408-12	1964/5	TRACTOR	TACOM
LO10-3930-409-12	1964/2	TRACTOR	TACOM
LO10-3930-503-12	1967/7	TRACTOR	TACOM
LO10-3930-505-12	1964/5	TRUCK LIFT	TACOM
LO10-3930-507-12	1964/2	TRUCK LIFT	TACOM
LO10-3930-508-12	1964/3	TRUCK LIFT	TACOM
LO10-3930-511-12	1970/1	TRUCK LIFT	TACOM
LO10-3930-515-12	1964/3	TRUCK LIFT	TACOM
LO10-3930-518-12	1964/2	TRUCK LIFT	TACOM
LO10-3930-519-12	1969/11	TRUCK LIFT	TACOM
LO10-3930-520-12	1964/7	TRUCK LIFT	TACOM
LO10-3930-521-12	1964/2	TRUCK LIFT	TACOM

LO 10,11 SERIES

NUMBER	DATE	NAME	PROP
L010-3930-622-12-1	1972/12	TRUCK LIFT	TACOM
L010-3930-622-12-2	1972/12	TRUCK LIFT	TACOM
L010-3930-623-12	1983/12	TRUCK LIFT	TACOM
L010-3930-625-12	1984/8	TRUCK LIFT	TACOM
L010-3930-626-12	1984/2	TRACTOR	TACOM
L010-3930-627-12	1984/6	TRUCK LIFT	TACOM
L010-3930-628-12	1984/8	TRUCK LIFT	TACOM
L010-3930-630-12	1984/1	TRUCK LIFT	TACOM
L010-3930-631-12	1984/2	TRUCK LIFT	TACOM
L010-3930-632-12	1984/1	TRUCK LIFT	TACOM
L010-3930-633-12	1984/2	TRACTOR	TACOM
L010-3930-634-12	1983/12	TRUCK LIFT	TACOM
L010-3930-638-12	1988/5	TRUCK LIFT	TACOM
L010-3930-641-12	1988/9	TRUCK	TACOM
L010-3950-203-12-1	1971/6	CRANE TR	TACOM
L010-3950-203-12-2	1971/6	CRANE TR	TACOM
L010-3950-204-20	1965/7	CRANE TR	TACOM
L010-4230-202-12	1977/6	PUMPING AS	TROSCOM
L010-4230-202-15	1964/8	DELOUSING	TROSCOM
L010-4230-203-15	1965/9	DELOUSING	TROSCOM
L010-7360-201-20-1	1966/2	BAKERY	TROSCOM
L010-7360-201-20-2	1966/2	BAKERY	TROSCOM
L010-7360-201-20-3	1966/2	BAKERY	TROSCOM
L010-7360-201-20-4	1966/2	BAKERY	TROSCOM
L010-7360-201-20-5	1966/2	BAKERY	TROSCOM
L010-7360-201-20-6	1966/2	BAKERY	TROSCOM
L010-7360-206-12	1977/7	KITCHEN	TROSCOM
L011-1167-1	1958/1	RADIO	CECOM
L011-1335	1953/5	RADAR	CECOM
L011-2258	1955/3	FAC SET	CECOM
L011-2396-1	1954/11	CAMERA	CECOM
L011-2444	1955/2	WIND REC	CECOM
L011-2568	1952/4	SOUND RANG	CECOM
L011-3047	1959/5	ANT DR	CECOM
L011-3507	1954/9	ROTARY CON	CECOM
L011-3840-292-20	1959/2	RADAR	CECOM
L011-3840-354-20	1983/5	RADAR	CECOM
L011-3840-355-20	1981/9	RADAR	CECOM

LO 55 SERIES

NUMBER	DATE	NAME	PROP
LO55-1985-201-12	1959/3	LAND CRAFT	TROSCOM
LO55-1985-202-12-1	1974/9	LAND CRAFT	TROSCOM
LO55-1985-202-12-2	1974/9	LAND CRAFT	TROSCOM
LO55-1985-202-12-3	1974/9	LAND CRAFT	TROSCOM
LO55-1985-203-12-1	1983/6	LAND CRAFT	TROSCOM
LO55-1985-203-12-2	1972/3	WINCH	TROSCOM
LO55-1985-217-12-1	1980/11	LAND CRAFT	TROSCOM
LO55-1985-217-12-2	1980/11	LAND CRAFT	TROSCOM
LO55-1985-217-12-3	1971/7	LAND CRAFT	TROSCOM
LO55-1985-219-12	1978/7	LAND CRAFT	TROSCOM
LO55-1925-201-12-1	1965/8	TUG	TROSCOM
LO55-1925-201-12-2	1965/8	TUG	TROSCOM
LO55-1925-202-12-1	1974/6	TUG	TROSCOM
LO55-1925-202-12-1	1974/6	TUG	TROSCOM
LO55-1925-202-12-10	1974/6	CALIBR	TROSCOM
LO55-1925-202-12-3	1974/6	TUG	TROSCOM
LO55-1925-202-12-4	1974/6	TUG	TROSCOM
LO55-1925-202-12-5	1974/6	TUG	TROSCOM
LO55-1925-202-12-6	1974/6	TUG	TROSCOM
LO55-1925-202-12-7	1974/6	TUG	TROSCOM
LO55-1925-202-12-8	1974/6	TUG	TROSCOM
LO55-1925-202-12-9	1974/6	TUG	TROSCOM
LO55-1925-204-12-1	1973/10	TUG	TROSCOM
LO55-1925-204-12-2	1973/10	TUG	TROSCOM
LO55-1925-204-12-3	1973/10	TUG	TROSCOM
LO55-1925-204-12-4	1973/10	TUG	TROSCOM
LO55-1925-204-12-5	1973/10	TUG	TROSCOM
LO55-1925-204-12-6	1973/10	TUG	TROSCOM
LO55-1925-204-12-7	1973/10	TUG	TROSCOM
LO55-1925-204-12-8	1973/10	TUG	TROSCOM
LO55-1925-205-12-1	1973/12	TUG	TROSCOM
LO55-1925-205-12-2	1973/12	TUG	TROSCOM
LO55-1925-205-12-3	1973/12	TUG	TROSCOM
LO55-1925-205-12-4	1973/12	TUG	TROSCOM
LO55-1925-205-12-5	1973/12	TUG	TROSCOM
LO55-1925-205-12-6	1973/12	TUG	TROSCOM
LO55-1925-205-12-7	1973/12	TUG	TROSCOM
LO55-1925-205-12-8	1973/12	TUG	TROSCOM
LO55-1988-202-12/1	1964/12	BARGE	TROSCOM
LO55-1988-202-12/2	1964/12	BARGE	TROSCOM
LO55-1988-202-12/3	1964/12	BARGE	TROSCOM
LO55-1988-202-12/4	1964/12	BARGE	TROSCOM
LO55-1988-202-12/5	1964/12	BARGE	TROSCOM
LO55-1988-203-12-1	1971/4	LARC	TROSCOM
LO55-1988-203-12-2	1969/9	LARC	TROSCOM
LO55-1988-203-12-3	1969/9	LARC	TROSCOM
LO55-1988-203-12-4	1969/9	LARC	TROSCOM

## LO 55 SERIES

NUMBER	DATE	NAME	PROP
L055-1930-203-12-5	1969/9	LARC	TROSCOM
L055-1930-205-12-1	1968/5	LARC	TROSCOM
L055-1930-205-12-2	1968/5	LARC	TROSCOM
L055-1930-206-12-1	1969/5	LARC	TROSCOM
L055-1930-206-12-2	1969/12	LARC	TROSCOM
L055-1930-206-12-3	1969/5	LARC	TROSCOM
L055-1930-206-12-4	1969/5	LARC	TROSCOM
L055-1930-206-12-5	1969/5	LARC	TROSCOM
L055-1935-201-12	1968/1	CRANE BAR	TROSCOM
L055-1935-204-12-1	1968/5	CRANE BAR	TROSCOM
L055-1935-204-12-2	1968/5	CRANE BAR	TROSCOM
L055-1940-201-12	1982/8	BOAT	TROSCOM
L055-1940-203-12	1964/12	BOAT	TROSCOM
L055-1940-204-12	1968/2	BOAT	TROSCOM
L055-1940-205-12	1966/3	BOAT	TROSCOM
L055-2013	1953/4	RAILWAY	TROSCOM
L055-2019	1954/9	RAILWAY	TROSCOM
L055-2210-1-20	1958/1	LOCOMOTIVE	TROSCOM
L055-2210-201-20	1959/2	LOCOMOTIVE	TROSCOM
L055-2210-203-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-204-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-205-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-206-20	1959/1	LOCOMOTIVE	TROSCOM
L055-2210-208-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-209-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-210-20	1959/4	LOCOMOTIVE	TROSCOM
L055-2210-213-20	1959/11	LOCOMOTIVE	TROSCOM
L055-2210-214-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-215-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-216-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-217-20	1960/2	LOCOMOTIVE	TROSCOM
L055-2220-203-20	1965/8	RAILWAY	TROSCOM
L055-2220-210-12-1	1966/9	RAILWAY	TROSCOM
L055-2220-210-12-2	1966/9	RAILWAY	TROSCOM
L055-2230-201-12-1	1967/12	CRANE RAIL	TROSCOM
L055-2230-201-12-2	1967/12	CRANE RAIL	TROSCOM
L055-2230-202-20	1958/3	CRANE LOCO	TROSCOM
L055-2305-001-12	1983/5	LACV30	TROSCOM
L055-2815-206-12	1972/2	ENGINE	TROSCOM
L055-2815-210-12-1	1964/12	ENGINE	TROSCOM
L055-2815-210-12-2	1964/12	ENGINE	TROSCOM
L055-2815-216-12	1968/3	ENGINE	TROSCOM
L055-2815-217-12	1964/12	ENGINE	TROSCOM
L055-3950-211-12	1961/8	WINDLASS	TROSCOM
L055-3950-213-12/1	1964/12	WINCH	TROSCOM
L055-3950-213-12/2	1964/12	WINCH	TROSCOM
L055-3950-215-12	1964/12	WINLASS	TROSCOM

## LO 55 SERIES

NUMBER	DATE	NAME	PROP
L055-3950-224-12	1964/12	WIDLASS	TROSCOM
L055-4014	1958/11	ENGINE	TROSCOM
L055-4320-218-12	1961/8	PUMP	TROSCOM
L055-4320-230-12/1	1964/12	PUMP	TROSCOM
L055-4320-230-12/2	1964/12	PUMP	TROSCOM
L055-4330-202-12	1964/12	LUBE PURIF	TROSCOM
L055-6115-214-12	1964/1	GENERATOR	TROSCOM
L055-6115-215-12	1965/8	AUX SET	TROSCOM
L055-6115-218-12	1964/12	GENERATOR	TROSCOM
L055-6115-U210	1964/12	GENERATOR	TROSCOM

**APPENDIX B**  
**LO 3,5 SERIES, LOs OVER 30 YEARS OLD**

NUMBER	DATE	NAME	PROP
LO 5-5065	1954/2	COMPRESSOR	TACOM
LO 5-9427	1954/2	PUMP	TROSCOM

LO 3,5 SERIES, 40s OVER 20 YEARS OLD

NUMBER	DATE	NAME	PROP
LO 3-1040-211-30	1963/7	FLAMETH.	AMCCOM
LO 3-4240-207-12	1961/8	FILTER UN.	AMCCOM
LO 5-3431-209-15	1963/11	WELD. MACH	AMCCOM
LO 5-1049	1958/4	ROLLER	TACOM
LO 5-1154	1960/4	KETTLE	TACOM
LO 5-1161	1960/5	DISTRIB.	TACOM
LO 5-1185-1	1960/7	ROLLER	TACOM
LO 5-1185-2	1960/7	ROLLER	TACOM
LO 5-2410-212-15-1	1963/10	TRACTOR	TACOM
LO 5-2410-212-15-2	1963/10	TRACTOR	TACOM
LO 5-3805-212-20-1	1961/11	TRENCHER	TACOM
LO 5-3805-212-20-3	1961/11	TRENCHER	TACOM
LO 5-3810-207-20-1	1961/11	CRANE	TACOM
LO 5-3810-207-20-2	1961/11	CRANE	TACOM
LO 5-3810-207-20-3	1961/11	CRANE	TACOM
LO 5-3810-207-20-4	1961/11	CRANE	TACOM
LO 5-3810-207-20-5	1959/8	CRANE	TACOM
LO 5-3810-225-15-1	1964/1	CRANE	TACOM
LO 5-3810-225-15-2	1964/1	CRANE	TACOM
LO 5-3810-225-15-3	1964/1	CRANE	TACOM
LO 5-3810-225-15-4	1964/1	CRANE	TACOM
LO 5-3810-227-15-1	1964/1	CRANE	TACOM
LO 5-3810-227-15-2	1964/1	CRANE	TACOM
LO 5-3810-227-15-3	1964/1	CRANE	TACOM
LO 5-3810-227-15-4	1964/1	CRANE	TACOM
LO 5-3820-200-20	1960/3	AUGER	TACOM
LO 5-3825-202-20	1959/12	DISTRIBUTE	TACOM
LO 5-3825-213-20-1	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-2	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-3	1961/10	SNOW REM.	TACOM
LO 5-3895-207-20	1963/11	ROLLER	TACOM
LO 5-3895-243-20-1	1963/6	DUST COLL.	TACOM
LO 5-3895-243-20-2	1963/6	DUST COLL.	TACOM
LO 5-3895-254-15	1963/10	DISTR.	TACOM
LO 5-3895-265-12	1963/12	HAMMER	TACOM
LO 5-5065	1954/2	COMPRESSOR	TACOM
LO 5-5420-200-12	1964/5	LAUNCHER	TACOM
LO 5-9032	1960/6	TRAILER	TACOM
LO 5-9259	1956/10	TRUCK	TACOM
LO 5-2010-200-20-1	1961/11	PROPEL. U	TROSCOM
LO 5-2010-200-20-2	1961/11	PROPEL. U	TROSCOM
LO 5-4035	1960/5	DRIFTER	TROSCOM
LO 5-4010-221-15	1962/4	COMPRESSOR	TROSCOM
LO 5-4930-203-12	1960/6	LUBR. UNIT	TROSCOM
LO 5-6030	1956/12	PRESS	TROSCOM
LO 5-6075	1957/3	PROJECTOR	TROSCOM
LO 5-6115-235-15	1961/3	GENERATOR	TROSCOM

**LO 3,5 SERIES, LOs OVER 20 YEARS OLD**

NUMBER	DATE	NAME	PROP
LO 5-6575-201	1959/7	PROJECTOR	TROSCOM
LO 5-9427	1954/2	PUMP	TROSCOM

LO 3,5 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
LO 3-1040-204-30	1973/8	FLAMETH.	AMCCOM
LO 3-1040-211-30	1963/7	FLAMETH.	AMCCOM
LO 3-1040-256-12	1969/5	SER. UNIT	AMCCOM
LO 3-1040-257-30	1973/5	FLAMETH.	AMCCOM
LO 3-4230-209-12	1974/6	DECON. APP	AMCCOM
LO 3-4240-207-12	1961/8	FILTER UN.	AMCCOM
LO 5-3431-205-12	1967/10	WELD. MACH	AMCCOM
LO 5-3431-209-15	1963/11	WELD. MACH	AMCCOM
LO 5-1450-201-15-1	1966/7	ELEVATOR	MICOM
LO 5-1450-201-15-2	1967/12	ELEVATOR	MICOM
LO 5-1450-204-12	1972/10	POWER ST.	MICOM
LO 5-1049	1958/4	ROLLER	TACOM
LO 5-1154	1960/4	KETTLE	TACOM
LO 5-1161	1960/5	DISTRIB.	TACOM
LO 5-1185-1	1960/7	ROLLER	TACOM
LO 5-1185-2	1960/7	ROLLER	TACOM
LO 5-2410-212-15-1	1963/10	TRACTOR	TACOM
LO 5-2410-212-15-2	1963/10	TRACTOR	TACOM
LO 5-2410-223-12-1	1972/4	TRACTOR	TACOM
LO 5-2410-223-12-2	1972/4	TRACTOR	TACOM
LO 5-2410-227-12-1	1971/1	TRACTOR	TACOM
LO 5-2410-227-12-2	1971/1	TRACTOR	TACOM
LO 5-2410-229-12-1	1968/3	TRACTOR	TACOM
LO 5-2410-229-12-2	1968/3	TRACTOR	TACOM
LO 5-2410-231-12-1	1968/9	TRACTOR	TACOM
LO 5-2410-231-12-2	1968/9	TRACTOR	TACOM
LO 5-2420-218-12-1	1967/11	TRACTOR	TACOM
LO 5-2420-218-12-2	1967/11	TRACTOR	TACOM
LO 5-2420-221-12-1	1973/7	TRACTOR	TACOM
LO 5-2420-221-12-2	1973/7	TRACTOR	TACOM
LO 5-3805-201-12-1	1971/2	LOADER	TACOM
LO 5-3805-201-12-2	1971/2	LOADER	TACOM
LO 5-3805-209-15-1	1966/7	GRADER	TACOM
LO 5-3805-209-15-2	1966/7	GRADER	TACOM
LO 5-3805-209-15-3	1966/7	GRADER	TACOM
LO 5-3805-209-15-4	1966/7	GRADER	TACOM
LO 5-3805-210-12-1	1970/5	GRADER	TACOM
LO 5-3805-210-12-2	1970/5	GRADER	TACOM
LO 5-3805-212-20-1	1961/11	TRENCHER	TACOM
LO 5-3805-212-20-3	1961/11	TRENCHER	TACOM
LO 5-3805-219-12-1	1968/1	LOADER	TACOM
LO 5-3805-219-12-2	1968/1	LOADER	TACOM
LO 5-3805-232-12-1	1965/11	LOADER	TACOM
LO 5-3805-232-12-2	1969/1	LOADER	TACOM
LO 5-3805-243-12-1	1968/4	LOADER	TACOM
LO 5-3805-243-12-2	1968/4	LOADER	TACOM
LO 5-3805-245-12-1	1968/3	LOADER	TACOM

LO 3,5 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
LO 5-3805-245-12-2	1968/3	LOADER	TACOM
LO 5-3805-246-12-1	1968/2	GRADER	TACOM
LO 5-3805-246-12-2	1968/2	GRADER	TACOM
LO 5-3805-246-12-3	1968/2	GRADER	TACOM
LO 5-3805-246-12-4	1968/2	GRADER	TACOM
LO 5-3805-249-12-1	1972/1	GRADER	TACOM
LO 5-3805-249-12-2	1972/1	GRADER	TACOM
LO 5-3805-249-12-3	1972/1	GRADER	TACOM
LO 5-3805-249-12-4	1972/1	GRADER	TACOM
LO 5-3805-252-12-1	1973/12	GRADER	TACOM
LO 5-3805-252-12-3	1973/12	GRADER	TACOM
LO 5-3805-252-12-4	1973/12	GRADER	TACOM
LO 5-3810-206-12-1	1971/3	CRANE	TACOM
LO 5-3810-206-12-2	1971/3	CRANE	TACOM
LO 5-3810-206-12-3	1971/3	CRANE	TACOM
LO 5-3810-206-12-4	1971/3	CRANE	TACOM
LO 5-3810-206-12-5	1971/3	CRANE	TACOM
LO 5-3810-207-20-1	1961/11	CRANE	TACOM
LO 5-3810-207-20-2	1961/11	CRANE	TACOM
LO 5-3810-207-20-3	1961/11	CRANE	TACOM
LO 5-3810-207-20-4	1961/11	CRANE	TACOM
LO 5-3810-207-20-5	1959/8	CRANE	TACOM
LO 5-3810-225-15-1	1964/1	CRANE	TACOM
LO 5-3810-225-15-2	1964/1	CRANE	TACOM
LO 5-3810-225-15-3	1964/1	CRANE	TACOM
LO 5-3810-225-15-4	1964/1	CRANE	TACOM
LO 5-3810-227-15-1	1964/1		TACOM
LO 5-3810-227-15-2	1964/1	CRANE	TACOM
LO 5-3810-227-15-3	1964/1	CRANE	TACOM
LO 5-3810-227-15-4	1964/1	CRANE	TACOM
LO 5-3810-231-12-1	1966/4	CRANE	TACOM
LO 5-3810-231-12-2	1966/4	CRANE	TACOM
O 5-3810-231-12-2	1966/4	CRANE	TACOM
LO 5-3810-233-12	1971/10	CRANE	TACOM
LO 5-3810-233-12-2	1971/10	CRANE	TACOM
LO 5-3810-233-12-3	1971/10	CRANE	TACOM
LO 5-3820-200-20	1968/3	AUGER	TACOM
LO 5-3820-200-12-1	1968/10	DRILL MACH	TACOM
LO 5-3820-200-12-2	1968/10	DRILL MACH	TACOM
LO 5-3825-202-20	1959/12	DISTRIBUTE	TACOM
LO 5-3825-213-20-1	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-2	1961/10	SNOW REM.	TACOM
LO 5-3825-213-20-3	1961/10	SNOW REM.	TACOM
LO 5-3825-222-12	1968/10	SWEEPER	TACOM
LO 5-3825-223-12	1971/4	DISTR.	TACOM
LO 5-3895-207-20	1963/11	ROLLER	TACOM
LO 5-3895-243-20-1	1963/6	DUST COLL.	TACOM

LO 3,5 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
LO 5-3895-243-20-2	1963/6	DUST COLL.	TACOM
LO 5-3895-254-15	1963/10	DISTR.	TACOM
LO 5-3895-265-12	1963/12	HAMMER	TACOM
LO 5-3895-280-15-1	1967/5	MIXER	TACOM
LO 5-3895-280-15-2	1967/5	MIXER	TACOM
LO 5-3895-280-15-3	1967/5	MIXER	TACOM
LO 5-3895-321-12-1	1968/6	DUST COLL.	TACOM
LO 5-3895-321-12-2	1968/6	DUST COLL.	TACOM
LO 5-3895-322-12-1	1973/8	GRAD. CONT	TACOM
LO 5-3895-322-12-2	1973/8	GRAD. CONT	TACOM
LO 5-3895-325-12	1968/3	DISTR.	TACOM
LO 5-3895-327-12	1968/2	DISTR.	TACOM
LO 5-3895-328-12	1968/1	ROLLER	TACOM
LO 5-3895-331-12-1	1970/12	FISHER	TACOM
LO 5-3895-331-12-2	1970/12	FISHER	TACOM
LO 5-3895-335-12	1969/9	SPREADER	TACOM
LO 5-3895-339-12	1974/1	KETTLE	TACOM
LO 5-3895-341-12	1972/1	ROLLER	TACOM
LO 5-4310-219-12	1973/3	COMPRESSOR	TACOM
LO 5-4310-247-15	1965/4	COMPRESSOR	TACOM
LO 5-4310-280-12-1	1974/1	COMPRESSOR	TACOM
LO 5-4310-280-12-2	1974/1	COMPRESSOR	TACOM
LO 5-5065	1954/2	COMPRESSOR	TACOM
LO 5-5420-200-12	1964/5	LAUNCHER	TACOM
LO 5-9032	1960/6	TRAILER	TACOM
LO 5-9259	1956/10	TRUCK	TACOM
LO 5-2010-200-20-1	1961/11	PROPEL. U	TROSCOM
LO 5-2010-200-20-2	1961/11	PROPEL. U	TROSCOM
LO 5-2010-202-12-1	1971/5	PROPEL. U	TROSCOM
LO 5-2010-202-12-2	1971/2	PROPEL. U	TROSCOM
LO 5-3655-210-12	1968/12	CONVERSION	TROSCOM
LO 5-3655-211-12-1	1969/3	GEN. PLANT	TROSCOM
LO 5-3655-211-12-2	1971/4	GEN. PLANT	TROSCOM
LO 5-3655-215-12	1971/1	COOLING T.	TROSCOM
LO 5-3655-215-12	1972/3	CONV.	TROSCOM
LO 5-3655-219-12	1972/10	CONV.	TROSCOM
LO 5-3740-200-12	1967/11	SPRAYER	TROSCOM
LO 5-3740-205-12	1968/9	SPRAYER	TROSCOM
LO 5-4035	1960/5	DRIFTER	TROSCOM
LO 5-4110-223-12	1974/8	REFRIG.	TROSCOM
LO 5-4110-224-12	1972/3	REFRIG.	TROSCOM
LO 5-4210-213-12	1971/4	TRUCK	TROSCOM
LO 5-4310-214-20	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-221-15	1962/4	COMPRESSOR	TROSCOM
LO 5-4310-226-12	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-227-15	1969/9	COMPRESSOR	TROSCOM
LO 5-4310-241-15	1965/9	COMPRESSOR	TROSCOM

LO 3,5 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
LO 5-4310-246-15	1965/5	COMPRESSOR	TROSCOM
LO 5-4310-251-12	1970/5	COMPRESSOR	TROSCOM
LO 5-4310-256-15	1966/2	COMPRESSOR	TROSCOM
LO 5-4310-273-12	1967/10	COMPRESSOR	TROSCOM
LO 5-4310-275-12	1971/2	COMPRESSOR	TROSCOM
LO 5-4310-276-12	1969/8	COMPRESSOR	TROSCOM
LO 5-4310-277-12	1969/8	COMPRESSOR	TROSCOM
LO 5-4310-278-12	1968/9	COMPRESSOR	TROSCOM
LO 5-4310-281-12	1968/3	COMPRESSOR	TROSCOM
LO 5-4310-302-12	1968/3	COMPRESSOR	TROSCOM
LO 5-4310-304-12	1968/5	COMPRESSOR	TROSCOM
LO 5-4310-305-12	1968/10	COMPRESSOR	TROSCOM
LO 5-4310-309-12	1969/12	COMPRESSOR	TROSCOM
LO 5-4310-346-12	1972/7	COMPRESSOR	TROSCOM
LO 5-4310-348-12	1973/7	COMPRESSOR	TROSCOM
LO 5-4310-349-12	1974/9	COMPRESSOR	TROSCOM
LO 5-4320-233-15	1965/12	PUMP	TROSCOM
LO 5-4320-255-12	1969/7	PUMP	TROSCOM
LO 5-4620-201-12	1968/5	DIST. UNIT	TROSCOM
LO 5-4930-203-12	1968/6	LUER. UNIT	TROSCOM
LO 5-5420-205-12	1973/9	SUPERSTR.	TROSCOM
LO 5-6030	1956/12	PRESS	TROSCOM
LO 5-6075	1957/3	PROJECTOR	TROSCOM
LO 5-6115-235-15	1961/3	GENERATOR	TROSCOM
LO 5-6115-320-12	1965/8	GENERATOR	TROSCOM
LO 5-6115-339-12	1966/3	GENERATOR	TROSCOM
LO 5-6115-440-12	1968/7	GENERATOR	TROSCOM
LO 5-6115-550-12	1970/12	POWER PL.	TROSCOM
LO 5-6120-250-12	1972/6	SUBSTATION	TROSCOM
LO 5-6230-200-15	1965/8	SEARCHLITE	TROSCOM
LO 5-6665-203-12	1969/1	DETECTOR	TROSCOM
LO 5-6675-201	1959/7	PROJECTOR	TROSCOM
LO 5-9427	1954/2	PUMP	TROSCOM

# LO 3,5 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAM	PROP
LO55-6115-214-12	1964/1	GENERATOR	TROSCOM
LO55-6115-215-12	1965/8	AUX SET	TROSCOM
LO55-6115-218-12	1964/12	GENERATOR	TROSCOM
LO55-6115-U210	1964/12	GENERATOR	TROSCOM

**LO 9 SERIES, LOs OVER 30 YEARS OLD**

NUMBER	DATE	NAME	PROP
LO 9-767	1948/9	TRAILER	TACOM

LO 9 SERIES, LOs OVER 30 YEARS OLD

NUMBER	DATE	NAME	PROP
L055-2013	1953/4	RAILWAY	TROSCOM
L055-2019	1954/9	RAILWAY	TROSCOM

LO 9 SERIES, LOs OVER 20 YEARS OLD

	NUMBER	DATE	NAME	PROP
LO	9-1055-203-10	1965/1	HEAT TIED	AMCCOM
LO	9-1055-208-10	1964/10	HANDLING U	AMCCOM
LO	9-4910-261-12	1960/10	JACK	AMCCOM
LO	9-1400-250-20	1965/1	LAUNCHER R	MICOM
LO	9-1430-250-20	1961/11	NIKE	MICOM
LO	9-9502-4-1	1957/10	CARRIER	MICOM
LO	9-9502-4-2	1957/10	SERV.	MICOM
LO	9-767	1948/9	TRAILER	TACOM
LO	9-2330-208-12	1963/6	TRAILER	TACOM
LO	9-2330-222-12	1963/5	TRAILER	TACOM
LO	9-2330-269-12	1963/4	TRAILER	TACOM

LO 9 SERIES, LOS OVER 10 YEARS OLD.

NUMBER	DATE	NAME	PROP
LO 9-1005-257-12	1969/10	ARMAMENT	AMCCOM
LO 9-1005-262-12	1973/4	ARMAMENT	AMCCOM
LO 9-1005-298-12	1970/7	ARMAMENT	AMCCOM
LO 9-1005-299-12	1972/6	ARMAMENT	AMCCOM
LO 9-1010-207-12	1968/9	ARMAMENT	AMCCOM
LO 9-1015-203-10	1972/1	T HOWITZER	AMCCOM
LO 9-1015-215-12	1971/5	MORTAR	AMCCOM
LO 9-1015-221-10	1974/7	RIFLE	AMCCOM
LO 9-1015-234-10	1972/3	T HOWITZER	AMCCOM
LO 9-1025-200-10	1966/4	T HOWITZER	AMCCOM
LO 9-1055-202-10	1965/3	LAUNCHER R	AMCCOM
LO 9-1055-203-10	1965/1	HEAT TIED	AMCCOM
LO 9-1055-205-10	1972/8	LAUNCHER R	AMCCOM
LO 9-1055-208-10	1964/10	HANDLING U	AMCCOM
LO 9-1055-215-10	1966/5	LAUNCHER R	AMCCOM
LO 9-1090-202-12	1970/5	ARMAMENT	AMCCOM
LO 9-1090-203-12	1973/3	ARMAMENT	AMCCOM
LO 9-1090-204-12	1967/4	MOUNT	AMCCOM
LO 9-4910-261-12	1960/10	JACK	AMCCOM
LO 9-1400-250-20	1965/1	LAUNCHER R	MICOM
LO 9-1400-250-20	1961/11	NIKE	MICOM
LO 9-1400-254-20	1971/8	RADAR	MICOM
LO 9-1400-503-12	1970/1	RADAR	MICOM
LO 9-1400-510-12	1970/1	RADAR	MICOM
LO 9-1400-513-12	1970/1	RADAR	MICOM
LO 9-1440-500-12	1973/7	LAUNCHER	MICOM
LO 9-4935-500-12	1970/1	HAWK	MICOM
LO 9-4935-507-12	1971/3	CHAPPARAL	MICOM
LO 9-9502-4-1	1957/10	CARRIER	MICOM
LO 9-9502-4-2	1957/10	SERV.	MICOM
LO 9-767	1948/9	TRAILER	TACOM
LO 9-1450-405-12	1973/12	CARRIER	TACOM
LO 9-2320-230-12	1971/1	5T TRUCK	TACOM
LO 9-2320-246-12	1968/6	1/2T TRUCK	TACOM
LO 9-2330-208-12	1963/6	TRAILER	TACOM
LO 9-2330-222-12	1963/5	TRAILER	TACOM
LO 9-2330-259-12	1963/4	TRAILER	TACOM
LO 9-2350-202-12	1968/6	ANTI AIR G	TACOM
LO 9-2350-202-12	1973/12	TANK	TACOM
LO 9-2590-213-12	1970/8	BULLDOZER	TACOM

LO 10,11 SERIES, LOs OVER 30 YEARS OLD

NUMBER	DATE	NAME	PROP
L011-1335	1953/5	RADAR	CECOM
L011-2396-1	1954/11	CAMERA	CECOM
L011-2568	1952/4	SOUND RANG	CECOM
L011-3507	1954/9	ROTARY CON	CECOM

LO 10,11 SERIES, I Os OVER 20 YEARS OLD

NUMBER	DATE	NAME	PROP
L011-1167-1	1958/1	RADIO	CECOM
L011-1335	1953/5	RADAR	CECOM
L011-2258	1955/3	FAC SET	CECOM
L011-2396-1	1954/11	CAMERA	CECOM
L011-2444	1955/2	WIND REC	CECOM
L011-2568	1952/4	SOUND RANG	CECOM
L011-5047	1959/5	ANT GR	CECOM
L011-5507	1954/9	ROTARY CON	CECOM
L010-3930-215-20	1963/7	TRUCK	TACOM
L010-3930-225-20	1964/1	TRUCK LIFT	TACOM
L010-3930-231-20-1	1964/3	TRUCK LIFT	TACOM
L010-3930-234-20	1964/5	TRUCK LIFT	TACOM
L010-3930-252-12	1963/10	TRUCK LIFT	TACOM
L010-3930-253-12	1963/10	TRUCK LIFT	TACOM
L010-3930-407-20	1963/7	TRACTOR	TACOM
L010-4230-202-15	1964/8	DELOUSING	TROSCOM

LO 10,11 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
L011-1167-1	1958/1	RADIO	CECOM
L011-1335	1953/5	RADAR	CECOM
L011-2258	1955/3	FAC SET	CECOM
L011-2396-1	1954/11	CAMERA	CECOM
L011-2444	1955/2	WIND REC	CECOM
L011-2568	1952/4	SOUND RANG	CECOM
L011-5047	1959/5	ANT GR	CECOM
L011-5507	1954/9	ROTARY CON	CECOM
L011-5840-292-20	1969/2	RADAR	CECOM
L010-3930-215-20	1963/7	TRUCK	TACOM
L010-3930-225-20	1964/1	TRUCK LIFT	TACOM
L010-3930-231-20-1	1964/3	TRUCK LIFT	TACOM
L010-3930-232-20-1	1965/6	TRUCK LIFT	TACOM
L010-3930-232-20-2	1965/6	TRUCK LIFT	TACOM
L010-3930-234-20	1964/5	TRUCK LIFT	TACOM
L010-3930-252-12	1963/10	TRUCK LIFT	TACOM
L010-3930-253-12	1963/10	TRUCK LIFT	TACOM
L010-3930-255-20	1965/4	TRUCK LIFT	TACOM
L010-3930-256-20	1965/4	TRUCK LIFT	TACOM
L010-3930-257-20	1965/4	TRUCK LIFT	TACOM
L010-3930-407-20	1963/7	TRACTOR	TACOM
L010-3930-603-12	1967/7	TRACTOR	TACOM
L010-3930-611-12	1970/1	TRUCK LIFT	TACOM
L010-3930-619-12	1969/11	TRUCK LIFT	TACOM
L010-3930-622-12-1	1972/12	TRUCK LIFT	TACOM
L010-3930-622-12-2	1972/12	TRUCK LIFT	TACOM
L010-3950-203-12-1	1971/6	CRANE TR	TACOM
L010-3950-203-12-2	1971/6	CRANE TR	TACOM
L010-3950-204-20	1965/7	CRANE TR	TACOM
L010-3530-202-10-1	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-2	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-3	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-4	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-5	1965/3	SEW MACH	TROSCOM
L010-3530-10-6	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-7	1965/3	SEW MACH	TROSCOM
L010-3530-202-10-8	1965/3	SEW MACH	TROSCOM
L010-3530-203-10-1	1965/10	CLOTH REP	TROSCOM
L010-3530-203-10-2	1965/10	CLOTH REP	TROSCOM
L010-3530-203-10-3	1965/10	CLOTH REP	TROSCOM
L010-3530-203-10-4	1965/2	CLOTH REP	TROSCOM
L010-3610-200-12	1970/2	PRIN PRESS	TROSCOM
L010-3610-228-12	1970/2	PR PRESS	TROSCOM
L010-4230-202-15	1964/8	DELOUSING	TROSCOM
L010-4230-203-15	1965/8	DELOUSING	TROSCOM
L010-7360-201-20-1	1966/2	BAKERY	TROSCOM
L010-7360-201-20-2	1966/2	BAKERY	TROSCOM

LO 10,11 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAME	PROP
L010-7360-201-20-3	1966/2	BAKERY	TROSCOM
L010-7360-201-20-4	1966/2	BAKERY	TROSCOM
L010-7360-201-20-5	1966/2	BAKERY	TROSCOM
L010-7360-201-20-6	1966/2	BAKERY	TROSCOM

LO 55 SERIES, LOs OVER 20 YEARS OLD

NUMBER	DATE	NAME	PROP
L055-1905-201-12	1959/3	LAND CRAFT	TROSCOM
L055-1930-202-12/1	1964/12	BARGE	TROSCOM
L055-1930-202-12/2	1964/12	BARGE	TROSCOM
L055-1930-202-12/3	1964/12	BARGE	TROSCOM
L055-1930-202-12/4	1964/12	BARGE	TROSCOM
L055-1930-202-12/5	1964/12	BARGE	TROSCOM
L055-1940-203-12	1964/12	BOAT	TROSCOM
L055-2013	1953/4	RAILWAY	TROSCOM
L055-2019	1954/9	RAILWAY	TROSCOM
L055-2210-1-20	1958/1	LOCOMOTIVE	TROSCOM
L055-2210-201-20	1959/2	LOCOMOTIVE	TROSCOM
L055-2210-203-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-204-20	1958/8	LOCOMOTIVE	TROSCOM
L055-2210-205-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-206-20	1959/1	LOCOMOTIVE	TROSCOM
L055-2210-208-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-209-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-210-20	1959/4	LOCOMOTIVE	TROSCOM
L055-2210-213-20	1959/11	LOCOMOTIVE	TROSCOM
L055-2210-214-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-215-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-216-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-217-20	1960/2	LOCOMOTIVE	TROSCOM
L055-2230-202-20	1958/3	CRANE LOCO	TROSCOM
L055-2815-210-12-1	1964/12	ENGINE	TROSCOM
L055-2815-210-12-2	1964/12	ENGINE	TROSCOM
L055-2815-217-12	1964/12	ENGINE	TROSCOM
L055-3950-211-12	1961/8	WINDLASS	TROSCOM
L055-3950-213-12/1	1964/12	WINCH	TROSCOM
L055-3950-213-12/2	1964/12	WINCH	TROSCOM
L055-3950-215-12	1964/12	WINLASS	TROSCOM
L055-3950-224-12	1964/12	WIDLASS	TROSCOM
L055-4014	1958/11	ENGINE	TROSCOM
L055-4320-216-12	1961/8	PUMP	TROSCOM
L055-4320-230-12/1	1964/12	PUMP	TROSCOM
L055-4320-230-12/2	1964/12	PUMP	TROSCOM
L055-4330-202-12	1964/12	LUBE PURIF	TROSCOM
L055-6115-214-12	1964/1	GENERATOR	TROSCOM
L055-6115-218-12	1964/12	GENERATOR	TROSCOM
L055-6115-U210	1964/12	GENERATOR	TROSCOM

LO 55 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAM	PROP
L055-1985-201-12	1959/3	LAND CRAFT	TROSCOM
L055-1985-202-12-1	1974/9	LAND CRAFT	TROSCOM
L055-1985-202-12-2	1974/9	LAND CRAFT	TROSCOM
L055-1985-202-12-3	1974/9	LAND CRAFT	TROSCOM
L055-1985-203-12-2	1972/3	WINCH	TROSCOM
L055-1985-217-12-3	1971/7	LAND CRAFT	TROSCOM
L055-1925-201-12-1	1965/8	TUG	TROSCOM
L055-1925-201-12-2	1965/8	TUG	TROSCOM
L055-1925-202-12-1	1974/6	TUG	TROSCOM
L055-1925-202-12-1	1974/6	TUG	TROSCOM
L055-1925-202-12-3	1974/6	TUG	TROSCOM
L055-1925-202-12-4	1974/6	TUG	TROSCOM
L055-1925-202-12-5	1974/6	TUG	TROSCOM
L055-1925-202-12-6	1974/6	TUG	TROSCOM
L055-1925-202-12-7	1974/6	TUG	TROSCOM
L055-1925-202-12-8	1974/6	TUG	TROSCOM
L055-1925-202-12-9	1974/6	TUG	TROSCOM
L055-1925-202-12-10	1974/6	CALIBER	TROSCOM
L055-1925-204-12-1	1973/10	TUG	TROSCOM
L055-1925-204-12-2	1973/10	TUG	TROSCOM
L055-1925-204-12-3	1973/10	TUG	TROSCOM
L055-1925-204-12-4	1973/10	TUG	TROSCOM
L055-1925-204-12-5	1973/10	TUG	TROSCOM
L055-1925-204-12-6	1973/10	TUG	TROSCOM
L055-1925-204-12-7	1973/10	TUG	TROSCOM
L055-1925-204-12-8	1973/10	TUG	TROSCOM
L055-1925-205-12-1	1973/12	TUG	TROSCOM
L055-1925-205-12-2	1973/12	TUG	TROSCOM
L055-1925-205-12-3	1973/12	TUG	TROSCOM
L055-1925-205-12-4	1973/12	TUG	TROSCOM
L055-1925-205-12-5	1973/12	TUG	TROSCOM
L055-1925-205-12-6	1973/12	TUG	TROSCOM
L055-1925-205-12-7	1973/12	TUG	TROSCOM
L055-1925-205-12-8	1973/12	TUG	TROSCOM
L055-1930-202-12/1	1964/12	BARGE	TROSCOM
L055-1930-202-12/2	1964/12	BARGE	TROSCOM
L055-1930-202-12/3	1964/12	BARGE	TROSCOM
L055-1930-202-12/4	1964/12	BARGE	TROSCOM
L055-1930-202-12/5	1964/12	BARGE	TROSCOM
L055-1930-203-12-1	1971/4	LARC	TROSCOM
L055-1930-203-12-2	1969/9	LARC	TROSCOM
L055-1930-203-12-3	1969/9	LARC	TROSCOM
L055-1930-203-12-4	1969/9	LARC	TROSCOM
L055-1930-203-12-5	1969/9	LARC	TROSCOM
L055-1930-205-12-1	1968/5	LARC	TROSCOM
L055-1930-205-12-2	1968/5	LARC	TROSCOM
L055-1930-206-12-1	1969/5	LARC	TROSCOM

LO 55 SERIES, LOs OVER 10 YEARS OLD

NUMBER	DATE	NAM	PROP
L055-1930-206-12-2	1969/12	LARC	TROSCOM
L055-1930-206-12-3	1969/5	LARC	TROSCOM
L055-1930-206-12-4	1969/5	LARC	TROSCOM
L055-1930-206-12-5	1969/5	LARC	TROSCOM
L055-1935-201-12	1968/1	CRANE BAR	TROSCOM
L055-1935-204-12-1	1968/5	CRANE BAR	TROSCOM
L055-1935-204-12-2	1968/5	CRANE BAR	TROSCOM
L055-1940-203-12	1964/12	BOAT	TROSCOM
L055-1940-204-12	1968/2	BOAT	TROSCOM
L055-1940-205-12	1965/3	BOAT	TROSCOM
L055-2013	1953/4	RAILWAY	TROSCOM
L055-2013	1954/9	RAILWAY	TROSCOM
L055-2210-1-20	1958/1	LOCOMOTIVE	TROSCOM
L055-2210-201-20	1959/2	LOCOMOTIVE	TROSCOM
L055-2210-203-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-204-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-205-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-206-20	1959/1	LOCOMOTIVE	TROSCOM
L055-2210-208-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-209-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-210-20	1959/4	LOCOMOTIVE	TROSCOM
L055-2210-213-20	1959/11	LOCOMOTIVE	TROSCOM
L055-2210-214-20	1960/8	LOCOMOTIVE	TROSCOM
L055-2210-215-20	1959/8	LOCOMOTIVE	TROSCOM
L055-2210-216-20	1961/8	LOCOMOTIVE	TROSCOM
L055-2210-217-20	1960/2	LOCOMOTIVE	TROSCOM
L055-2220-203-20	1965/8	RAILWAY	TROSCOM
L055-2220-210-12-1	1966/9	RAILWAY	TROSCOM
L055-2220-210-12-2	1966/9	RAILWAY	TROSCOM
L055-2230-201-12-1	1967/12	CRANE RAIL	TROSCOM
L055-2230-201-12-2	1967/12	CRANE RAIL	TROSCOM
L055-2230-202-20	1958/3	CRANE LOCO	TROSCOM
L055-2015-206-12	1972/2	ENGINE	TROSCOM
L055-2015-210-12-1	1964/12	ENGINE	TROSCOM
L055-2015-210-12-2	1964/12	ENGINE	TROSCOM
L055-2015-216-12	1968/3	ENGINE	TROSCOM
L055-2015-217-12	1964/12	ENGINE	TROSCOM
L055-3950-211-12	1961/8	WINDLASS	TROSCOM
L055-3950-213-12/1	1964/12	WINCH	TROSCOM
L055-3950-213-12/2	1964/12	WINCH	TROSCOM
L055-3950-215-12	1964/12	WINLASS	TROSCOM
L055-3950-224-12	1964/12	WIDLASS	TROSCOM
L055-4014	1958/11	ENGINE	TROSCOM
L055-4320-218-12	1961/8	PUMP	TROSCOM
L055-4320-230-12/1	1964/12	PUMP	TROSCOM
L055-4320-230-12/2	1964/12	PUMP	TROSCOM
L055-4330-202-12	1964/12	LUBE PURIF	TROSCOM

# DISTRIBUTION FOR BRDEC REPORT 2427

## No. Copies Addressee

### Department of Defense

- 1 Director, Technical Information  
Defense Advanced Research Projects Agency  
1400 Wilson Blvd.  
Arlington, VA 22209
- 1 Director  
Defense Nuclear Agency  
ATTN: TITL  
Washington, DC 20305
- 12 Defense Technical Information Center  
Cameron Station  
Alexandria, VA 22314

### Department of the Army

- 1 Commander, HQ TRADOC  
ATTN: ATEN-ME  
Fort Monroe, VA 23651
- 1 HQDA (DAMA-AOA-M)  
Washington, DC 20310
- 1 HQDA (DALO-TSM)  
Washington, DC 20310
- 1 HQDA (DAEN-RDL)  
Washington, DC 20314
- 1 HQDA (DAEN-MPE-T)  
Washington, DC 20314
- 1 Commander  
US Army Missile Research & Development Command  
ATTN: DRSMI-RR  
Redstone Arsenal, AL 35809
- 1 Director  
Army Materials and Mechanics Research Center  
ATTN: DRXMR-PL, Technical Library  
Watertown, MA 02172
- 1 Technical Library  
Chemical Systems Laboratory  
Aberdeen Proving Ground, MD 21010
- 1 Commander  
US Army Aberdeen Proving Ground  
ATTN: STEAP-MT-U (OE Branch)  
Aberdeen Proving Ground, MD 21005
- 1 Director  
US Army Materiel Systems Analysis Agency  
ATTN: DRXSY-CM  
Aberdeen Proving Ground, MD 21005
- 1 Director  
US Army Materiel Systems Analysis Agency  
ATTN: DRXSY-MP  
Aberdeen Proving Ground, MD 21005
- 1 Director  
US Army Ballistic Research Laboratory  
ATTN: DRDAR-TSD-S (STINFO)  
Aberdeen Proving Ground, MD 21005

1 Director  
US Army Engineer Waterways Experiment Station  
ATTN: Chief, Library Branch  
Technical Information Center  
Vicksburg, MS 39180

1 Commander  
US Army Armament Research & Development Command  
ATTN: DRDAR-TSS #59  
Dover, NJ 07801

1 Commander  
US Army Troop Support & Aviation Materiel Readiness Command  
ATTN: DRSTS-MES (1)  
4300 Goodfellow Blvd.  
St. Louis, MO 63120

2 Director  
Petrol & Field Services Department  
US Army Quartermaster School  
Fort Lee, VA 23801

1 Commander  
US Army Electronics Research & Development Command  
Technical Library Division  
ATTN: DELSD-L  
Fort Monmouth, NJ 07703

1 President  
US Army Aviation Test Board  
ATTN: STEBG-PO  
Fort Rucker, AL 36360

1 US Army Aviation School Library  
P.O. Drawer O  
Fort Rucker, AL 36360

2 HQ Army 193D Infantry Brigade (Pan)  
ATTN: AFZU-FE  
APO Miami 34004

2 Special Forces Detachment, Europe  
ATTN: PBO  
APO New York 09030

2 Engineer Representative  
USA Research & Standardization Group (Europe)  
Box 65  
FPO 09510

1 Commander  
Rock Island Arsenal  
ATTN: SARRI-LPL  
Rock Island, IL 61201

1 HQDA  
ODCSLOG  
DALO-TSE  
Room 1E588  
Pentagon, Washington, DC 20310

1 Plastics Technical Evaluation Center  
ARRADCOM, Bldg 3401  
ATTN: A.M. Anzalone  
Dover, NJ 07801

1 Commander  
Frankford Arsenal  
ATTN: Library, K2400, B151-2  
Philadelphia, PA 19137

- 1    **Commandant**  
US Army Engineer School  
ATTN: ATZP-CID  
Fort Belvoir, VA 22060
  
- 1    **President**  
US Army Airbone, Communications & Electronics  
ATTN: STEBF-ABTD  
Fort Bragg, NC 28307
  
- 1    **Commander**  
Headquarters, 39th Engineer Battalion (Cbt)  
Fort Devens, MA 01433
  
- 1    **President**  
US Army Armor and Engineer Board  
ATTN: ATZK-AE-PD-E  
Fort Knox, KY 40121
  
- 1    **Commander and Director**  
USA FESA  
ATTN: FESA-TS  
Fort Belvoir, VA 22060
  
- 1    **Director**  
US Army TRADOC  
Systems Analysis Activity  
ATTN: ATAA-SL (Technical Library)  
White Sands Missile Range, NM 88002
  
- 1    **HQ USAEUR & Seventh Army**  
Deputy Chief of Staff, Engineer  
ATTN: AEAEN-MT-P  
APO New York 09403
  
- 1    **HQ, USAEUR & Seventh Army**  
Deputy Chief of Staff, Operations  
ATTN: AEAGC-FMD  
APO New York, 09403

**BRDEC**

- 1    **Commander, STRBE-Z**  
Deputy Commander, STRBE-ZD  
Technical Director, STRBE-ZT  
Assoc Tech Dir(E&A), STRBE-ZTE  
Assoc Tech Dir(RD&E), STRBE-ZTR  
Executive Officer, STRBE-ZX  
Sergeant Major, STRBE-ZM  
Advanced Systems Concept Dir, STRBE-H  
Program Planning Div, STRBE-HP  
Foreign Intelligence Div, STRBE-HF  
Systems and Concepts Div, STRBE-HC  
CIRCULATE
  
- 1    **Dir, Resource Management Dir, STRBE-C**  
Dir, Information Management Dir, STRBE-B  
Dir, Facilities and Support Dir, STRBE-W  
Dir, Product Assurance and Engr Dir, STRBE-T  
Dir, Combat Engineering Dir, STRBE-J  
Dir, Logistics Support Dir, STRBE-F  
Dir, Materials, Fuels & Lubricants Lab, STRBE-V
  
- 2    **Materials, Fuels & Lubricants Lab, STRBE-V**
- 2    **Fuels & Lubricants Div, STRBE-VH**
- 50    **Hydraulic Fluids and Corrosion Preventatives Sec/Grp, STRBE-VFH**

- 3 Tech Reports Ofc, STRBE-BPG
- 5 Security Ofc (for liaison officers), STRBE-S
- 2 Tech Lib, STRBE-BT
- 1 Public Affairs Ofc, STRBE-I
- 1 Ofc of Chief Counsel, STRBE-L

**Department of the Navy**

- 1 Director, Physics Program (421)  
Office of Naval Research  
Arlington, VA 22217
- 2 Commander, Naval Facilities Engineering Command  
Department of the Navy  
ATTN: Code 032-B  
062  
200 Stovall St.  
Alexandria, VA 22332
- 1 US Naval Oceanographic Office  
Navy Library/NSTL Station  
Bay St. Louis, MS 39522
- 1 Library (Code LOSA)  
Civil Engineering Laboratory  
Naval Construction Battalion Center  
Port Hueneme, CA 93043
- 1 Director  
Earth Physics Program  
Code 464  
Office of Naval Research  
Arlington, VA 22217
- 1 Naval Training Equipment Center  
ATTN: Technical Library  
Orlando, FL 32813

**Department of the Air Force**

- 1 HQ USAF/RDPT  
ATTN: Mr. Allan Eaffy  
Washington, DC 20330
- 1 Chief, Utilities Branch  
Washington, DC 20330
- 1 US Air Force  
HQ Air Force Engineering & Services Ctr  
Technical Library FL 7050  
Tyndall AFB, FL 32403
- 1 Chief, Lubrication Br  
Fuels & Lubrication Div  
ATTN: AFWAL/POSL  
Wright-Patterson AFB, OH 45433
- 1 Department of Transportation  
Library, FOA 10A, M494-6  
800 Independence Ave., SW  
Washington, DC 20591
- 1 Professor Raymond R. Fox  
School of Engineering and Applied Science  
George Washington University  
Washington, DC 20052