DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL
OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL
TUG, HARBOR, DIESEL, STEEL, 1,200 HP, 100 FOOT
DESIGN 3006, FLIGHT ONE
FSN 1925-375-3003

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TUG, HARBOR, DIESEL, STEEL, 1,200 HP, 100 FOOT
DESIGN 3006, FLIGHT ONE, NSN1925-00-375-3003

			Paragraph	Page
Chapter	1.	INTRODUCTION		
Section	I.	General	1-1	1-1
	II.	Description an data	1-8	1-2
Chapter	2.	OPERATING INSTRUCTIONS		
Section	I.	Operating procedures	2-1	2-1
	II.	Operation of Auxiliary Equipment	2-10	2-23
	III.	Operation under unusual conditions	2-33	2-66
Chapter	3.	OPERATOR/CREW MAINTENANCE INSTRUCTIONS		
Section	I.	Lubrication Instructions	3-1	3-1
	II.	Preventive Maintenance Checks and Services		3-1
	III.	Troubleshooting	3-3	3-9
	IV.	Maintenance Procedures	3-5	3-20
Chapter	4.	ORGANIZATIONAL MAINTENANCE INSTRUCTIONS		
Section	I.	Service upon receipt of equipment	4-1	4-1
	II.	Repair Parts, Special Tools and Equipment	4-3	4-3
	III.	Lubrication Instructions		4-5
	IV.	Preventive Maintenance Checks and Services		4-5
	V.	Troubleshooting	4-6	4-5
	VI.	Radio Interference Suppression	4-8	4-6
	VII.	Maintenance of the Propulsion Engine	4-12	4-8
Chapter	5.	MATERIEL USED IN CONJUNCTION WITH THE TUG		
Section	I.	Auxiliary Set	5-1	5-1
	II.	Pumps, General	5-32	5-89
	III.	Pneumatic Equipment System	5-55	5-132
	IV.	Anchor Windlass-Capstan System	5-60	5-141
	V.	Heating System	5-69	5-151
	VI.	Ventilating System	5-71	5-155
	VII.	Water Supply System	5-76	5-162
	VIII.	Food Preparation System	5-78	5-164
	IX.	Main Electrical System	5-80	5-168
	X.	Steering System	5-95	5-173
	XI.	Navigation Equipment	5-101	5-187
	XII.	Searchlight Equipment	5-103	5-188
	XIII.	Fire Fighting Equipment	5-105	5-192
	XIV.	Radio Telephone System	5-107	5-195
	XV.	Whistle/Horn System	5-109	5-195
	XVI.	Life Boat Davit	5-111	5-197
Appendix	A.	REFERENCES		A-1
	B.	OPERATOR/BOAT SET LIST COMPONENT OF END ITEM.BASIC ISSUE ITEMS. ADDITIONAL AUTHORIZATION AND EXPENDABLE SUPPLIES AND MATERIEL LISTINGS		B-1
	C.	MAINTENANCE ALLOCATION CHART		C-1
INDEX				I-1

*This manual supersedes TM 55-1925-204-12, 7 December 1964, including all changes.

LIST OF ILLUSTRATIONS

Figure	Legend	Page
1-1	Tug, harbor, diesel, 1,200 hp, steel, 100 foot, design 3006, starboard side	1-1
1-2	Tug, harbor, diesel, 1,200 hp, steel, 100 foot design 3006, port side	1-2
2-1	Pilothouse navigational controls	2-2
2-2	After steering station	2-4
2-3	Main engine controls	2-5
2-4	Auxiliary set engine controls and instruments	2-7
2-5	Main electrical control panel (switchboard)	2-9
2-6	Heating boiler controls	2-11
2-7	Air compressor controls	2-14
2-8	Water pressure set controls	2-20
2-9	Fuel oil system piping diagram	2-24
2-10	Fuel oil capacity sounding charts	2-26
2-11	Lubricating oil system piping diagram	2-29
2-12	Lubricating oil purifier flow diagram	2-32
2-13	Marine steering system arrangement	2-34
2-14	Compressed air system piping diagram	2-36
2-15	Ships service power control panel wiring diagram	2-39
2-16	Engineroom lighting control panel wiring diagram	2-40
2-17	General lighting control panel wiring diagram	2-40
2-18	Pilothouse lighting control panel wiring diagram	2-41
2-19	Ventilating power control panel wiring diagram	2-41
2-20	Battery charging control panel	2-42
2-21	Navigational light control panel	2-42
2-22	Main electrical control panel wiring diagram, rear view	2-44
2-23	Engine cooling systemdiagram	2-47
2-24	Bilge and ballast piping diagram	2-49
2-25	Chain locker bilge piping diagram	2-50
2-26	Fore peak tank capacity and soundings	2-52
2-27	Aft peak tank capacity and soundings	2-53
2-28	Fire and salvage system piping diagram	2-54
2-29	Heating system piping diagram	2-56
2-30	Markey model VEV-16 anchor windlass	2-59
2-31	Galley range burner unit	2-60
2-32	Water dispenser (cooler)	2-62
2-33	Gyro compass control cabinet	2-63
2-34	Gyro compass master unit	2-64
3-1	Cylinder head removaland installation	3-21
3-2	Cylinder compression relief valve	3-22
3-3	Cylinder head valves	3-23
3-4	Cylinder compression relief valve	3-24
3-5	Sequence for applying torque to holddown nuts	3-25
3-6	Piston, connecting rod, and rings	3-26
3-7	Connecting rod bearing	3-28
3-8	Cylinder, sleeve, and rings	3-30
3-9	Fuel oil filters, lines, and transfer (supply) pump	3-33
3-10	Fuel transfer (supply) pump, cross section	3-35
3-11	Fuel injection pump, cross section	3-37
3-12	Fuel injector (nozzle), cross section	3-38
3-13	Fuel injection pump	3-39
3-14	Fuel injector, removal and installation	3-41
3-15	Governor (mechanical)	3-43
3-16	Half of twin fuel oil filter, cross section	3-45
3-17	Filter element assembly	3-46
3-18	Propulsion engine, port side view	3-47
3-19	Scavenging pump, cross section	3-49
3-20	Oil and water pump drive	3-52
3-21	Crankcase breather, cross section	3-54
3-22	Engine fresh and raw water pump	3-55
3-23	Fresh or raw water pump, cross section	3-56
3-24	Water inlet header and valve	3-58
3-25	Lubrication oil pump	3-60
3-26	Crankshaft main bearings	3-62
3-27	Thrust bearing (Kingsbury)	3-65
3-28	Engine order telegraph transmitter	3-67
3-29	Engine order telegraph indicator	3-68
3-30	Windshield wiper	3-70
3-31	Intercommunicating telephone station (typical)	3-72
3-32	Fire and salvage system manifold	3-73

LIST OF ILLUSTRATIONS

Figure	Legend	Page
3-33	Educator (jet suction)	3-74
3-34	Sea valve and sea chest (typical)	3-76
3-35	Strainer location (typical)	3-77
4-1	Fixed fire extinguisher piping arrangement	4-2
4-2	Replacing typical component for suppressing radio interference	4-7
4-3	Exhaust manifold section removal	4-9
4-4	Air receiver (box) removal	4-10
4-5	The air distributor	4-12
4-6	Air start distributor and reverse control	4-14
4-7	Air start header	4-15
4-8	Exhaust manifold and outlet pipe	4-17
4-9	Silencer (Muffler)	4-18
4-10	The force feed lubricator	4-20
4-11	Lubricator drive	4-21
4-12	Force feed lubricator, sectional view	4-22
4-13	Scavenging oil transfer pump (15130)	4-25
4-14	Motorcontrols	4-26
4-15	Camshaft and bearings	4-27
4-16	Instrument panel	4-29
4-17	Flywheel jacking device	4-30
4-18	Shutoff valve, storage tank, and pressure gage	4-31
4-19	Engine air brake cylinder	4-32
4-20	Brake shoe and linkage	4-33
4-21	Brake air cylinder	4-34
4-22	Cam operated pilot air valve	4-35
4-23	Pressure regulating valve	4-36
5-1	Auxiliary set, three quarter right front view	5-1
5-2	Auxiliary set, three quarter left rear view	5-2
5-3	Air cleaner, starter and fuel filter	5-3
5-4	Raw water pump, lines, and rocker arm cover	5-5
5-5	Fresh water, pump, lines, and governor	5-6
5-6	Blower, and inlet air housing	5-8
5-7	Belt guard, oil cooler, and engine mounting bolts	5-10
5-8	Engine generator and voltage regulator	5-11
5-9	Exhaust pipe and elbow	5-12
5-10	Water cooled exhaust manifold	5-13
5-11	Removing injector control shaft and fuel lines	5-15
5-12	Rocker arms and push rods	5-16
5-13	Exhaust valves on two valve, four cylinder head	5-17
5-14	Removal of valve seat	5-17
5-15	Sequence of tightening cylinder head nuts	5-18
5-16	Piston, connecting rod, cylinder liner, and rings	5-20
5-17	Measuring piston clearance	5-21
5-18	Measuring piston ring end gap	5-22
5-19	Checking piston ring side clearance .	5-23
5-20	Compressing the piston rings	5-24
5-21	Cylinder liner holddown clamp	5-24
5-22	Cylinder liner measurement diagram	5-25
5-23	Cylinder liner removal	5-26
5-24	Cylinder liner mounted in block	5-27
5-25	Installing valve seat	5-30
5-26	Balance weight cover removal and capscrew tightening sequence	5-31
5-27	Typical camshaft and balance shaft details	5-31
5-28	Idler gear details and location of parts	5-32
5-29	Gear train and timing marks, L.H. rotation	5-34
5-30	Adjusting the valve clearance	5-36
5-31	Crankshaft, main, and thrust bearings	5-38
5-32	Removing main bearing upper half (with crankshaft in place)	5-39
5-33	Removing rear main bearing upper half (with crankshaft in place)	5-39
5-34	Typical vibration damper details	5-41
5-35	Crankshaft front cover details	5-41
5-36	Crankshaft front cover attaching hardware tightening sequence	5-42
5-37	Checking crankshaft end play	5-44
5-38	Typical cylinder block prepared for pressure test	5-45
5-39	Engine lubricating oil pump	5-47
5-40	Lubricating oil filter.	5-48
5-41	Fuel injector mounting	5-50
5-42	Fuel injector	5-51
5-43	Injector tester	5-53
5-44	Timing fuel injectors	5-55

LIST OF ILLUSTRATIONS

Figure	Legend	Page
5-45	Fuel transfer pump	5-56
5-46	Typical fuel strainer (filter)	5-58
5-47	Adjusting fuel rod	5-60
5-48	Adjusting for maximum fuel	5-61
5-49	Positioning injector control rack	5-62
5-50	Adjusting speed droop	5-63
5-51	Setting maximum speed adjusting screw	5-64
5-52	Hydraulic governor mountings	5-65
5-53	Typical air shutdown (inlet) housing	5-67
5-54	Heat exchanger	5-68
5-55	Lubrication oil cooler and fresh water line	5-70
5-56	Typical water manifold mounting	5-71
5-57	Fresh water pump	5-73
5-58	Raw water pump	5-74
5-59	Starting motor	5-78
5-60	Engine instrument panel	5-80
5-61	Generator removal and installation	5-82
5-62	Delco 40kw, 120 vdc generator 5	5-83
5-63	Stud alignment	5-84
5-64	Brushholder alignment	5-85
5-65	Clutch and pump removal	5-86
5-66	Clutch arrangement (model CL208)	5-87
5-67	Fire and salvage pump	5-88
5-68	Bilge and ballast pump removal	5-90
5-69	Bilge and ballast pump	5-91
5-70	Priming pump	5-93
5-71	Bilge and ballast pump motor	5-94
5-72	Bilge and ballast pump accelerating contactor	5-96
5-73	Overload relay	5-97
5-74	Fire pump removal	5-99
5-75	Fire pump	5-100
5-76	Fresh and saltwater standby pumps, removal	5-102
5-77	Fresh and saltwater standby pumps	5-103
5-78	Fuel pump, cutaway	5-105
5-79	Checking coupling alignment	5-107
5-80	Controller, fuel oil transfer pump motor, schematic diagram	5-108
5-81	Overload relay	5-109
5-82	Accelerating contactor	5-110
5-83	Lead dimensions	5-111
5-84	Auxiliary contacts	5-112
5-85	Lubricating oil standby pump	5-114
5-86	Lubricating oil standby pump, section	5-115
5-87	Motor, lubricating oil standby pump drive	5-117
5-88	Controller contactor	5-118
5-89	Lubricating oil purifier	5-119
5-90	Oil purifier assembly	5-120
5-91	Sectional view of bowl	5-121
5-92	Pumps and clutches, sectional view	5-123
5-93	Fresh water pump and motor	5-127
5-94	Water pump	5-128
5-95	Lubricating oil rotary hand pump	5-131
5-96	Rotary hand pump (typical)	5-132
5-97	Air compressor	5-133
5-98	Air compressor, low-pressure control valves	5-134
5-99	Air compressor, high-pressure control valve	5-135
5-100	High pressure diaphragm unloader	5-136
5-101	Air compressor	5-138
5-102	Motor removal and belt adjustment	5-140
5-103	Anchor windlass brake arrangement	5-142
5-104	Anchor windlass motor and gear box	5-143
5-105	Anchor windlass, type VEV-16	5-144
5-106	Anchor windlass and master switch	5-146
5-107	Capstan	5-147
5-108	Motor brake, capstan	5-148
5-109	Master switch control assembly	5-150
5-110	Heating boiler burner unit and mounting	5-152
5-111	Oil burner assembly	5-153
5-112	Typical centrifugal blower assembly	5-156
5-113	Axial blower assembly (looking up) for engineroom exhaust	5-159
5-114	Axial blower assembly, sectional view	5-160

LIST OF ILLUSTRATIONS

Figure	*Legend*	*Page*
5-115	Typical washroom fixture placement	5-163
5-116	The refrigerator compressor unit	5-166
5-117	Freezer, for cold storage of food	5-167
5-118	Battery charging panel	5-170
5-119	Engineroom general alarm bell	5-172
5-120	Motor and brake	5-174
5-121	Rudder travel stop adjustment screws	5-175
5-122	Hydraulic ram assembly	5-176
5-123	Hydraulic pump	5-178
5-124	Valves and fittings	5-180
5-125	Steering console	5-181
5-126	Pump, hand, hydraulic	5-182
5-127	Gears, universal joints, and couplings	5-183
5-128	Milter gear box, l.h.	5-184
5-129	Milter gear box, r.h	5-185
5-130	Milter gear box, differential	5-186
5-131	Searchlight atop pilothouse	5-189
5-132	Searchlight, cross section	5-191
5-133	Typical portable extinguisher position	5-193
5-134	Pull box (activation)	5-194
5-135	Remote control lever release	5-195
5-136	Air whistle and electric horn	5-196

LIST OF TABLES

Table	*Legend*	*Page*
1-1	Torque Limits (Engine Model 37F16)	1-8
1-2	Gear Backlash (Engine Model 37F16)	1-8
1-3	Wear Limit Tolerance (Engine Model 37F16)	1-8
1-4	Operating Pressure (Engine Model 37F16)	1-9
1-5	Operating Temperatures (Engine Model 37F16)	1-9
2-1	Heating System Control Valves	2-12
2-2	Compressed Air System Control Valves	2-15
2-3	Raw and Fresh Water Engine Cooling System Control Valves	2-16
2-4	Fuel Oil System Control Valves	2-17
2-5	Fire and Salvage System Control Valves	2-18
2-6	Lubricating Oil System Control Valves	2-19
2-7	Bilge and Ballast System Control Valves	2-21
2-8	Machinery Status Prior to Getting Underway	2-22
2-9	Fuel Oil System Control Valve Positioning	2-27
2-10	Lubricating Oil System Control Valve Positioning	2-29
2-11	Compressed Air System Control Valve Positioning	2-36
2-12	Primary Electrical Circuits	2-39
2-13	Engine Cooling System Control Valve Positioning	2-47
2-14	Bilge and Ballast System Control Valve Positioning	2-50
2-15	Fire and Salvage System Control Valve Positioning	2-54
2-16	Heating System Control Valve Positioning	2-56
2-17	Gyrocompass Front Panel Operating Control Functions	2-64
3-1	Operator/Crew Preventive Maintenance Checks and Services	3-2
3-2	Operator/Crew Preventive Maintenance Checks and Services	3-7
3-3	Troubleshooting	3-10
4-1	Special Tools, Test and Support Equipment	4-4
4-2	Organizational Preventive Maintenance Checks and Services	4-5
4-3	Troubleshooting	4-6
4-4	Force Feed Lubricator Drop Count	4-24

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the tug, harbor, diesel, steel, 100 foot, design 3006, (fig. 1-1 and 1-2), with hull numbers LT-1936 through LT-1977 and LT-2202. It provides the necessary information on operation and organizational maintenance of the equipment, with description and function of main units in relationship to other components.

NOTE

DUE TO THE MISSION AND CREW CAPABILITIES OF THE VESSEL, MAINTENANCE NORMALLY ASSIGNED TO ORGANIZATIONAL LEVEL OR HIGHER MAY BE ASSIGNED TO OPERATOR/CREW.

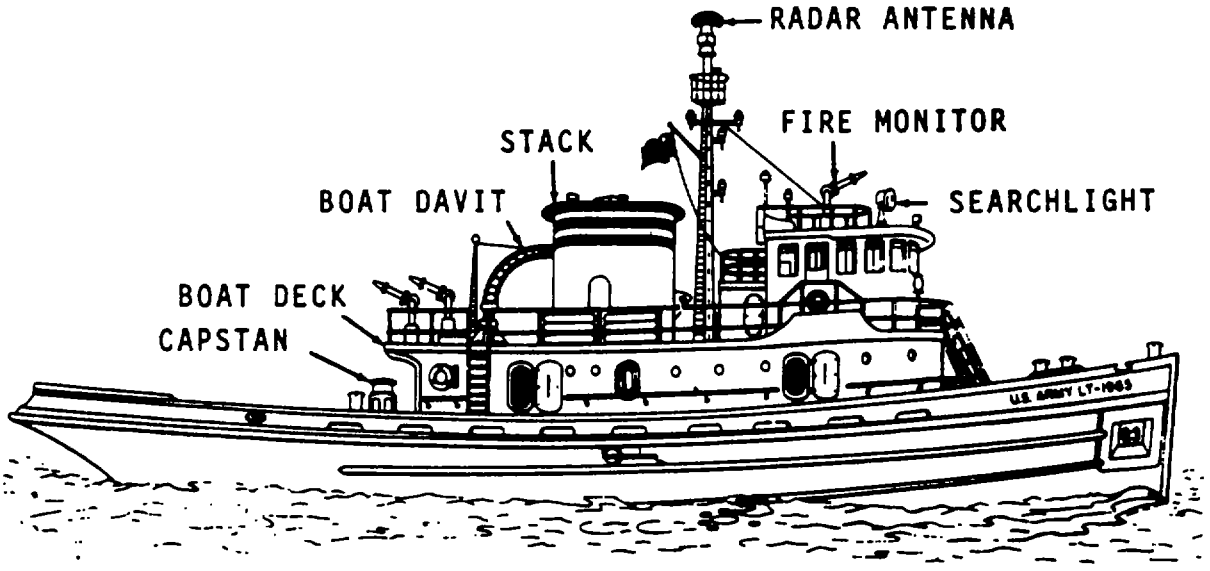

Figure 1-1. Tug, harbor, diesel, 1,200 hp, steel, 100 foot, design 3006, starboard side.

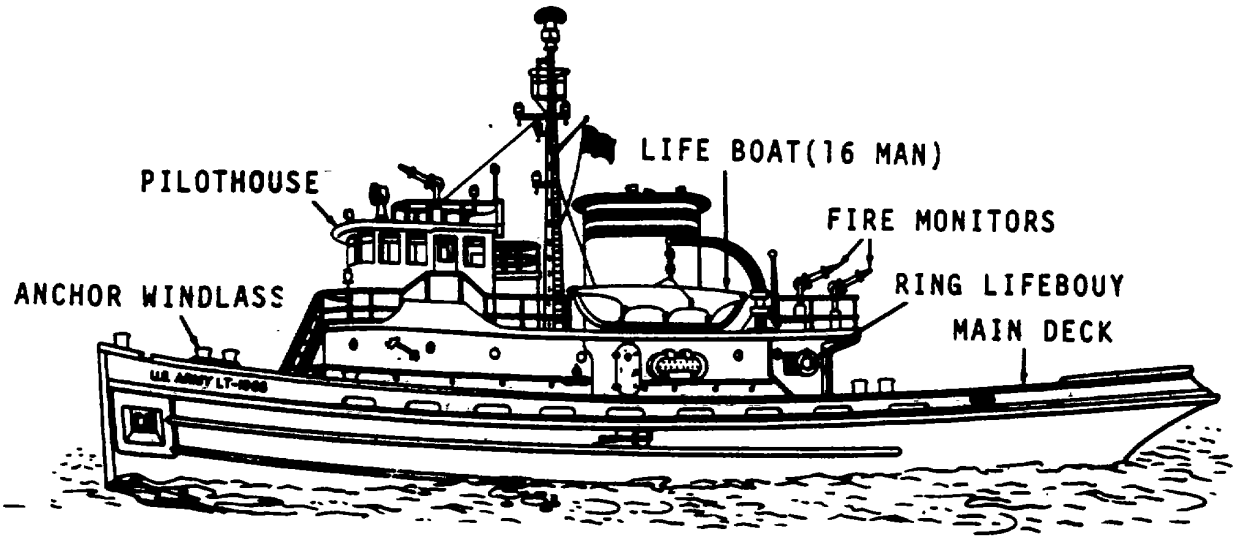

Figure 1-2. Tug, harbor, diesel, 1,200 hp, steel, 100 foot, design 3006, port side.

1-2. Maintenance Forms and Records
Maintenance forms and records that your are required to use are explained in TM 38-750, the Army Maintenance Management System (TAMMS).

1-3. Reporting of Errors and Recommending Improvements
You can improve this manual by mailing your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, Mo. 63120-1798.

1-4. Equipment Serviceability Criteria (ESC)
This equipment is not covered by an ESC.

1-5. Destruction of Army Material to Prevent Enemy Use
Destroy Army materiel to prevent enemy use as described in TM 750-244-3

1-6. Storage
Refer to TB740-93-4 for methods of preservation of vessels for storage.

1-7. Calibration
All required calibrations are made by a team of specialists from depots, at prescribed intervals. or upon special request.

Section II. DESCRIPTION AND DATA

1-8. Description

a. The tug, harbor, diesel, 1,200 hp, 100 foot design 3006, has a hull of welded steel. It has an over-all length of 107 feet, and a molded beam width of 26 feet 6 inches. Depth of the molded hull is 14 feet 10 inches. This tug is propelled by a six cylinder diesel engine which develops 1,200 hp at 300 rpm. The engine is directly coupled to the propeller shaft that turns a 7.667 foot, 3 bladed propeller. The propeller has a pitch of 5.16 feet, and moves the vessel at 12.75 knots (light load) with a range of 3,700 nautical miles, while with a loaded tow, it is capable of 294 hours of sustained operation. Berthing and messing facilities on board provide for a crew of sixteen.

b. The principal functions of the tug are berthing of large vessels and heavy towing within harbor areas. It can perform offshore towing between terminals, or proceed overseas without assistance from other vessels.

c. Three fire monitors are on board the tug. One is on top of the pilot house, and one each on port and starboard sides of the boat deck. These monitors enable the tug to assist in extinguishing fires on board other vessels, or at dock facilities

d. The two salvage pumps on board, with a