

U.S. NAVAL ENGINEERING EXPERIMENT STATION
ANNAPOLIS, MARYLAND

NP16/A9-4/L5 (Q)

20 AUG 1940

From: Director.
To: Bureau of Ships.
Via: Superintendent, U.S. Naval Academy.

Subject: Monthly Report of Tests - July 1940.

Inclosure: (A) Summary of Reports Submitted.
(B) List of Tests Incomplete.
(C) Addenda to Alphabetical Index of
Tests Dated 31 October 1934.
(D) List of Tests Reported During Month
Ending 31 July 1940.

1. Inclosures showing status of experimental
and test work are submitted.

A. T. Church

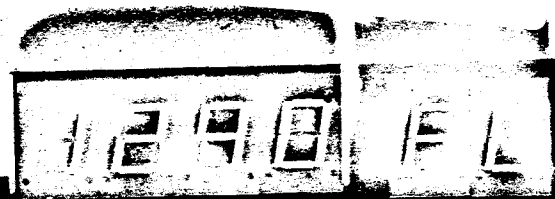
CRMC-M&S-003858

SUT000 1

DOCUMENT REQUEST FORM		INITIALS	DATE
		WET	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
A-62A2160 Box 3/15	DC000681	64	4
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of tests - July 1940.			

CRMC-M&S-003859

SUT0001



SUT00011291

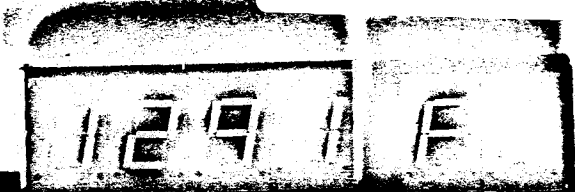
U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-2748 A	-- JJ46-5 (SS)	6-11-40	Metal, load-lithium bearing.	Arrangements underway.	WCS
B-2749 A	-- LD287/351(7-24-Ls)	6-20-26	Tubes, piston cooling- Erosion of-Main eng.-SAURY	Underway. Report in prop.	WCS
B-2750 A	-- LD287/351(7-24-Ls)	6-20-26	Header, boiler, rear-USS ANTARES- Exam. & test of.	Underway 15%	WCS
B-2751 B	-- QT(3) (5-18-SS)	6-4-40	Metals- wire rope plated Bethanizing Process - Bethlehem Steel Co.	Underway 20%	WCS
B-2752 B	-- QF/Welding/L5/3-12(sw)SS	6-15-40	Weld. of cast alum.- Froe. approx. test for- N.D. Spec. 46Al, Cl. 2- General Elec. Co.	Matl. not recd.	WCS
B-2756 B	200.00 843-2(3-30-SS)	6-13-40	Joints, stool, flex.- for temporary pipe connections- Chiksan Tool Co.	Test underway.	JBL
B-2768 A	400.00 847(5-27-SS)	6-14-40	Pump, rotary, for M-2 & O-2 service- Blacker Pump Co.	Test underway.	JBL
B-2775 A	-- SS/S41-3(6-5-SS)	6-17-40	Head, cyl., Diesol engine- Excelswold moth. of repair	Awaiting matls.	WFJ
B-2778 B	-- --	--	Engines, Diesol- Atlasco Injection system for.	Installation completed.	WFJ
B-2783 A	-- 843-1(1) (6-5-SS)	6-14-40	Shafting, Superfinish proc. for finish, boar. surfaces	Arrangements underway.	(WCS (JBL)
B-2785 B	-- 844 (4-8-UKB)	4-12-40	Propeller, experimental cast, in copper-nickel- silicon- To be tested on 45' aircraft rescue boat.	Underway 25%	WCS
B-2793 A	-- S41-3 (SS)	4-27-40	Bearings, Diesol eng. & re- lated problems in lubri. Investigation of.	Awaiting personnel & equipment.	WFJ
B-2797 A	-- JJ151C11 (M15)	6-25-40	Compd., rust prev., Brilec- Brilec Laboratories, Inc.	Arrangements underway.	JGO
B-2806 A	-- 843-1 (5-28-SS)	6-25-40	Coupling, clutch, Type FLO- 150- Wonway Clutch Co.	Arrangements underway.	JBL
B-2810 B	-- S39-1 (6-13-SS)	6-21-40	Insul., Felt, Rockwool, for boiler uptakes-Eagle-Fisher Sales Corp.	Matl. received. Underway this month.	JGO
B-2811 B	-- JJ33(1)(6-5-SS)	6-24-40	Pack., compd., jt. sealing- Luroloid-Northwest Proc. Co.	Matl. not recd.	JGO

CRMC-M&S-003860

SUT0001



U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-2639 B	-- QF/W&C (4)(1)(SS)	5-11-40	Weld. Electro. approv. C-M steel- Deter. of time current relations of.	Assembling magns. for test.	BR
B-2640 B	-- JJ14(4-8-SS)	4-19-40	Oil, lub., Diesel eng.- Improved non-corrosive RPM brand of.	3 EA eng. tests, 150 hrs. W.F.J 1 EE eng. test, 93 hrs. 1 CFR eng. test, 112 hrs. Wk. Factor completed Winton, 340 hrs.	
B-2642 B	-- JJ33 (4-9-SS)	5-10-40	Pack., plastic, for dogs for watertight closures- Hound Packing Co.	Awaiting necessary apparatus.	JGO
B-2643 A	-- DL287/S51(7-24-Ls)	8-20-26	Motors, f.o.- Calib. for trials USS ILUNKETT (DL431) Federal S&L Co.	Continuing.	JBL
B-2648 A	-- JJ46-(o) (5-2-SS)	5-9-40	Alloy- Collalloy - Colonial Alloys Co.	Underway. (Weld. Lab. inst. recd.)	(WCS (BR
B-2666 B	-- JJ-13G1c (4-25-SS)	5-17-40	Glassos, gage, rd., Red Line type- turning Glass works	Arrangements underway.	JBL
B-2667 E	-- QF/Welding/L5(3-12-Sw-SS)	5-13-40	Weld- Cast-mang.-vanadium alloy steel- process appr. test- General Elec. Co.	Underway 60%	(WCS (BR
B-2668 A	-- S48-10 QF/W&C (SS)	5-14-40	Metals- Matl. for steam serv.-Install. to operate at superheater outlet temp. 950°F & pres. about 1500 lbs. per sq. in.	Underway 60% welding tests underway 60%.	(WCS (BR
B-2701 B	-- QF/W&C-(4)(1) (5-8-SS)	3-29-40	Weld, electrodes, Viephoseo phos-bronzo- Suit. test of- Victor Equipment Co.	Matl. recd.	BR
B-2715 B	-- JJ33(4-22-SS)	5-14-40	Pack., plas. fibrous, Syn. 1106, 1107, 1432, 1433-sub. by J.E. Sales Corp.	Matl. not recd.	JGO
B-2733 B	-- JJ33(2) (5-24-SS)	6-5-40	Connectors, flex. for pres. gages-Packless Mot. Prod. Corp.	Arrangements underway.	JBL
B-2737 A	-- JJ7-6/L5 (6-13-S)	6-26-28	Oil, lub., aircraft eng.- Period between changes of in Patrol Aircraft- Samp. from Patrol Squad. 26.	Matl. not recd.	JGO
B-2747 B	150.00 Acr-E-431-RY, JJ7G1, QF(633)	5-29-40	Gages, Sinclair HT water- resist.-Type appr. test- Du. Aero. Spec. E-372.	Matl. not recd.	JGO

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-2540 A	-- 362-2/L5(12-18-SS)	4-10-40	Transformer, heat (HV unit) for stress-reliev. & heat treat. of welded pipe jts. Western Welder Corp.	Test underway.	BR
B-2541 A	-- Proj. Order 238/40	3-28-40	Feedwater, boiler - Inves. of problems.	Underway.	JGO
B-2543 B	\$ 140.00 841-3/L5(12-26-SS)	4-9-40	Indicator, ICE- Type approval test- Trill Indicator Co.	Red. mechanism under test.	WFJ
B-2544 B	-- JJ45 (2) (SS)	4-9-40	Valve, plug type, for gaso- line serv.-Barrett Mach. Co.	Matl. not recd.	JBL
B-2552 A	-- S56-5 (6-4-Lh)	9-30-36	Feedwater, boiler, proposed- Analysis of- USS NIELACK.	Report A sub.	JGO
B-2568 A	-- JJ-7-0-2 (SS)	4-19-40	Oil, Diesel fuel- Inves. of color test for spec.	Rough draft report compl.	WFJ
B-2574 B	-- JJ46-2 (SS)	4-22-40	Metals, Steel, in contact with Cu alloys- Effect of.	Underway 35%	WCS
B-2584 A	-- 848-10(sw) (SS)	4-24-40	Joints, piping, welded- Devel. procedure to test by magnetic powder moth.	80% completed. Await. add. matl. for NYd, N.Y.	BR
B-2604 A	-- PS/SH(2-15-De)	2-25-36	Oil, lub., for official trials, RHIND- Anal. of.	Matl. not recd.	JGO
B-2606 B	-- S39/L5 (12-29-SS)	4-24-40	Insul., Felt, Woven glass- U.S. Asbestos Division, Raybestos-Manhattan, Inc.	Matl. not recd.	JGO
B-2612 A	--	Oral	Feedwater, boiler water treat.- Effect of water level on boil. water anal.	Rep. A sub. Final rep. in prep.	JGO
B-2615 A	-- JJ42-4-1(1), L2/JJ-52H2(SS)	5-6-40	Chemical- Fignont, magnesium silicate- Anal. of & method.	Report in prep. 5 August.	JGO
B-2628 A	--	Oral	Engine, Diesel, Winton 12-cyl. 201A- Tests of engine parts & lub. oils in- at New London, Conn.	Orders placed for test matl.	WFJ
B-2631 A	-- L5/WF16 (11-14-ss)	11-25-24	Meters, c.w.-for Fug. Sd. NYd. Acqn. 751 NSA- Cont. N251s- 53187-ritts. Equit. Meter Co.	Continuing.	JBL
B-2632 B	\$ 150.00 JJ14 (4-19-SS)	4-29-40	Oils, lub., Syd. 2250 & 3100 Shell Oil Co., Inc.	Report in prep. 5 Aug.	JGO

CRMC-M&S-003862

SUT0001

12 19 31

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-2448 A	-- S43-1/L5 (2-17-HE)	3-4-40	Shafts, propeller- Avail. for surface inspection.	Rep. on Phila. NYd. made. Continuing.	WCS
B-2452 B	-- JJ33/L5 (1-11-SS)	1-16-40	Packing, steering gear, Telomotor rams & valves- Various manufacturers.	Construction of apparatus underway.	JGO
B-2453 A	-- S48-10 (3-12-SS)	3-16-40	Insul., pipe clamp, for main stm. piping-J.H. MARINITE Johns Manville Corp.	Underway. Report in prop.	JGO
B-2467 B	-- JJ14/L5 (2-6-SS)	3-26-40	Comps., metal condition- ing- R.M. Hollingshead Corp.	Underway.	JGO
B-2473 B	\$ 150.00 JJ46-(2) (SS)	3-15-40	Valves, Lever-Seal- Gasoline service - Homestead Valve Mfg. Co.	Matl. not recd.	JBL
B-2476 A	-- DD287/S51(7-24-Ls)	8-20-26	Motors, f.o.- Calib. for trials USS BENSON- Beth. Steel Co., SB Div., Mass.	Continuing.	JBL
B-2488 B	\$ 300.00 S47/L5 (9-14-SS)	3-28-40	Pump, rotary fuel & lub. oil, Cl, N3, N2, O2 services- Quimby Pump Co., exhib.	Matl. not recd.	JBL
B-2490 B	\$ 100.00 S43-2/L5(2-20-SS)	3-27-40	Bearings, roller- Roller Bearing Co. of America.	Matl. not recd.	JBL
B-2491 A	-- PO 240/40, LL-2/NF(3-28-F)	3-28-40	Compd., Preservatives, thin film(Polar) for machy. Devel. spec. for- PO 240/40	Report A sub. Continuing.	JGO
B-2498 A	-- SS205/S47(3-15-SS)	3-29-40	Pump, centrif. water circu- lating-American Locomo- tive Co., Diesel Eng. Div.	Matl. not recd. Underway.	JBL
B-2507 A	-- JJ7-6/L5 (6-13-S)	6-26-28	Oils, hydraulic, Aero. Spec. M-339, EF471.3 & 471.6 Soco-Vacuum Oil Co. Inc.	Underway this month.	JGO
B-2528 B	\$ 100.00 QS1(5-1-DS)	5-6-39	Meters, fo-Calib. for trials C-2 Diesel cargo vessels- Maritime Com. #22-25, Tampa #33-36- Tampa SB& Engr. Co.	Continuing.	JBL
B-2529 B	-- S48-10(4-1-SS)	4-6-40	Indicators, sight flow, for low pressure steam drains.	Arrangements underway.	JBL
B-2531 A	-- S41-6 (SS)	4-9-40	Clutch, free wheeling- Mercury Clutch Corp.	Matl. not recd.	JBL
B-2532 B	-- QE/WAC-4(1) (4-2-SS)	4-9-40	Weld-Electr. Lincoln Fleet- weld 9HT C-Mo 3/16" & 1/4" dia. Cl. B-Qual. test of.	Test of resub. matl. comp. 95%	BR

SUT0001

CRMC-M&S-003863

1294

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-2448 A	-- S43-1/L5 (2-17-HE)	3-4-40	Shafts, propeller- Avail. for surface inspection.	Rep. on Phila. NYd. made. Continuing.	WCS
B-2452 B	-- JJ33/L5 (1-11-SS)	1-16-40	Packing, steering gear, Telomotor rams & valves Various manufacturers.	Construction of apparatus underway.	JGO
B-2453 A	-- S48-10 (3-12-SS)	3-15-40	Insul., pipe clamp, for main stm. piping-J.M. MARINITE Johns Manville Corp.	Underway. Report in prop.	JGO
B-2467 B	-- JJ14/L5 (2-6-SS)	3-25-40	Comps., metal condition- ing- R.M. Hollingshead Corp.	Underway.	JGO
B-2473 B	150.00 JJ45-(2) (SS)	3-15-40	Valves, Lever-Seal- Gasoline service - Homestead Valve Mfg. Co.	Matl. not recd.	JBL
B-2476 A	-- DD287/S51(7-24-Us)	8-20-26	Motors, f.o.- Calib. for trials USS BENSON- Beth. Steel Co., SB Div., Mass.	Continuing.	JBL
B-2488 B	\$ 300.00 S47/L5 (9-14-SS)	3-28-40	Pump, rotary fuel & lub. oil, Cl. N3, N2, O2 services- Quincy Pump Co., exhib.	Matl. not recd.	JBL
B-2490 A B	\$ 100.00 S43-2/L5(2-20-SS)	3-27-40	Bearings, roller- Roller Bearing Co. of America.	Matl. not recd.	JBL
B-2491 A	-- FO 240/40, LL-2/NF(3-28-F)	3-28-40	Compd., Preservatives, thin film(Polar) for machy. Devel. spec. for- FO 240/40	Report A sub. Continuing.	JGO
B-2498 A	-- SS205/S47(3-15-SS)	3-29-40	Pump, contrif. water circ- ulating-American Locomo- tive Co., Diesel Eng. Div.	Matl. not recd. Underway.	JBL
B-2507 A	-- JJ7-6/L5 (6-13-S)	6-26-28	Oils, hydraul. Aero. Spec. M-339, EF471.3 & 471.6 Socony-Vacuum Oil Co. Inc.	Underway this month.	JGO
B-2528 B	\$ 100.00 QS1(5-1-De)	5-6-39	Meters, fo-Calib. for trials C-2 Diesel cargo vessels- Maritime Com. #22-25, Tampa #33-36- Tampa SBA Engr. Co.	Continuing.	JBL
B-2529 B	-- S48-10(4-1-SS)	4-6-40	Indicators, sight flow, for low pressure steam drains.	Arrangements underway.	JBL
B-2531 A	-- S41-6 (SS)	4-9-40	Clutch, free wheeling- Mercury Clutch Corp.	Matl. not recd.	JBL
B-2532 B	-- QF/MAC-4(1) (4-2-SS)	4-9-40	Weld-Electr. Lincoln Fleet- weld 9HT C-Mo 3/16" & 1/4" dia. Cl. B-Qual. test of.	Test of resub. matl. comp. 95%	BR

1295

DOCUMENT REQUEST FORM		INITIALS	DATE
		WET	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
A-62A2160 Box 3/15	DC000681	65	10
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly Report of Tests - July 1940. File # NP16/L5.			

CRMC-M&S-003865

SUT0001

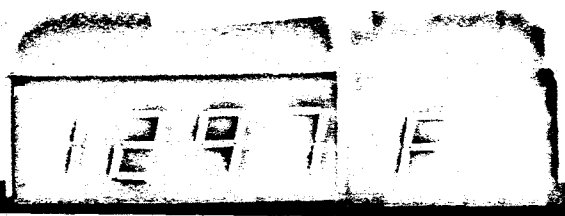


U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-1583 B	-- JJ14/L5(7-8-Ds)	7-14-39	Oil, lub., SUPERSOLV Lub. Ad & Top Oil "E", sub. by Portable Plating & Equipment Co.	3 CFR eng. tests 272 hrs.; 1 DE eng. test 265 hrs. Work factor compl.	WFJ
B-1604 B	-- JJ7-6/L5 (6-13-S)	6-26-28	Fuel, avia. (alcohol-water-gasoline)-Belgian- Gross & net BTU values- Bu. Aero.	Not yet underway.	JGO
B-1666 B	\$ 75.00 JJ32/L5 (7-31-Ds)	8-5-39	Insul., block, Eagle Super-temp- Eagle-Picher Sales Co.	Report A sub.	JGO
B-1673 B	-- JJ46/L5 (7-27-Ls)	8-3-39	Alloy, Cu-Ni (70-30) International Nickel Co.	Specimens all mounted in mach. for test.	WCS
B-1682 A	-- 346-5/L5 (7-17-Ls)	8-19-39	Tubing, finned, used in heat trans. apparatus- Deter. optimum design for.	Extended invos. Report B sub.	JBL
B-1690 A	-- 341-5/L5 (2-2-Ls)	2-4-37	Piston assembly, permanent mold casting with bevelled rings- for Winton submarine Diesel engines.	Lt. rep. A compl. Supl. Rep. S-1 compl. #4 piston 3783 hrs. on 5474 eng. #7 piston 994 hrs. on 4649 engine.	WFJ
B-1693 A	-- JJ14/L5 (8-11-Ls)	8-12-30	Compd., rust prev.- Polar as substitute for Navy type- Investigation of.	Report J sub. Continuing.	JGO
B-1694 A	-- HP16/N8 (7-27-Ls)	8-10-39	Cylinders, concrete - Annapolis Housing Auth.	Underway. Extended invos.	WCS
B-1695 B	-- QP/Welding/L5(7-27-Ls)	8-14-39	Weld. electr.-KOP-R-ARC shielded arc, copper- Suit. test- Krebs & Co., exhib.	Awaiting matl.	BR
B-1707 B	-- A13-3(11-1-Ds)	8-18-39	Weld. rods for hard-facing steam valve discs & seats- Suit. test- Last-Ever Met. Co.	Awaiting matl.	BR
B-1736 B	-- JJ33/L5 (8-8-Ls)	8-19-39	Pack., plas. non-metallic- with asbes. & wire jackets- Johns Manville Corp.	Underway. Partial rep. sub.	JGO
B-1737 B	-- JJ33/L5(8-10-Ls)	8-15-39	Pack., plas. metallic, John Crane 250- Crane Pack. Co.	Underway. Partial rep. sub.	JGO
B-1738 B	\$ 125.00 JJ33/L5 (8-15-Ls)	8-21-39	Pack., asbes. high pres. rod- Style 8219- Garlock Pk. Co.	Underway. Partial rep. sub.	JGO
B-1739 B	-- S47/L5 (6-30-Ls)	8-30-39	Valve, Governor, pump- Grove Regulator Co.	Report A made. Mfg. resub. governor.	JBL

CRMC-M&S-003866



U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-1411 B	-- JJ7-6/L5 (6-13-S)	6-26-28	Oil, lub., Velvol-Samp. from USS SARATOGA- Analysis of.	Underway.	JGO
B-1416 B	-- S19/L5 (5-3-Ls)	5-25-39	Coating, protoc., Condenser tubes- Phelps Dodge Prod.	Arrangements made. Matl. not recd.	WCS
B-1471 B	-- S48-23/L5 (5-19-Ds)	6-13-39	Traps, steam, impulse type- with integral strainer- Yarnall-Waring Co.	100%. Report in prep.	JBL
B-1477 B	-- S48-23/L5 (5-17-Ls)	6-7-39	Valves, plug, for fo, food- water & steam services- Kuchler-Huhn Co., Inc.	Extended service test underway.	JBL
B-1494 B	-- S39/L5 (5-1-Ds)	5-23-39	Insul. block, molded asbes. UNIBESTOS-Union Asbestos & Rubber Co.	Underway. Partial rep. sub.	JGO
B-1496 B	-- JJ33/L5 (5-22-Ds)	5-26-39	Pack., valve stem, square braided- The Larcoid Co.	Underway.	JGO
B-1500 B	-- JJ41/L5 (6-2-Ds)	6-13-39	Tool, silver brazing, for Cu & Cu-Ni alloy tubes.	Underway 60%	WCS
B-1506 B	\$ 125.00 JJ33/L5 (6-12-Ls)	6-21-39	Pack., asb. high pres. rod- Asbes. Fibre Spinning Co.	Underway. Partial rep. sub.	JGO
B-1517 B	-- S48-24 (5-5-Ds)	6-27-39	Valves, boiler blow-off L.J. Bordo Co., Inc.	Matl. not recd.	JBL
B-1524 A	-- S41-5 (6-27-Dq)	6-28-39	Liners, cyl., chromium- plated, Diesel engine- Van der Horst Process.	3473 hrs. on 5474 engine- Liner bo- boring pitted.	WFJ
B-1532 A	-- JJ7-6/L5 (6-13-S)	6-26-28	Fuel, safety-from Phillips Pet. Co., sub. by Bu. Aero.	Not yet underway.	JGO
B-1542 B	-- JJ46-6/L5 (5-15-Ds)	6-24-39	Alloy, alum. cast. Nat'l Bronzo & Alum. Fdry. Co.	Prelim. rep. made. Continuing.	WCS
B-1550 B	-- S-6046 (S) AB	6-21-39	Compd., rust prev., Type C- Approval tests- The far- rar Indus. Products Co.	Matl. not recd.	JGO
B-1558 A	-- JJ46/L5 (6-15-Ls)	7-10-39	Alloy, silver brazing, Easy- Flo #3- Handy & Harman.	Prelim. rep. made. Continuing.	WCS
B-1576 B	-- S48-24/L5 (6-30-Ls)	7-11-30	Valves, plug, for boiler blowoff & feedwater service- Barrett Mach. Co.	Underway.	JBL
B-1581 A	-- Eng. CONFIDENTIAL Oral	7-17-39	Confidential - I.C.E. lab. #1-40.	Awaiting matls	WFJ

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-1267 B	-- JJ43/L5 (4-19-Ds)	4-20-39	Bolts, threaded- Deter. of strength of- NDS 43B11	Report in prep.	WCS
B-1284 B	-- S41-3/S82/L5 (4-22-Ds)	4-24-39	Engine mountings, Goodrich Rubr. Co.-Suit. test	95% compl. Await. eng. to complete	WFJ
B-1288 B	-- DD287/S51 (7-24-Ds)	8-20-26	Tube ends from main boilers- USS CUYAMA	Underway 40%	WCS
B-13 04 A	-- L5/WP16 (11-14-Ls)	11-25-24	Tubes, piston cooling- Cause of failure of HOR S/M Engine.	Report sub. to Metals Lab.	WFJ
B-1329 B	-- S39/L5 (3-6-Ds)	3-28-39	Insul., pipe cov. #60 and #140 Fiberglas- Owens-Corning Fiberglas Corp.	Underway.	JGO
B-1335 B	\$ 165.00 JJ32/L5 (4-3-Ds)	4-8-39	Insul. block & cement- M.H. Detrick Co.	Underway.	JGO
B-1336 B	-- JJ46-1/L5 (4-28-Ds)	5-6-39	Metals- Relaxation prop. of alloy steel bolt matl. now in commercial use.	Rep. made. Cont'g Add. test units under construction.	WCS
B-1339 B	\$ 90.00 S39/L5 (4-7-Ds)	4-25-39	Insul., block, high temp. Baldwin-Hill Co.	Underway.	JGO
B-1340 B	-- S39/L5 (3-24-Ds)	4-10-39	Insul., cement, Enduro - Ehret Magnesia Mfg. Co.	Now samples to be submitted.	JGO
B-1342 A	-- S41-3/S82 (4-20-Dq)	4-22-39	Cyl. head, Lanova 1-lobe- Test with & without supercharging & determ. most suit. type supercharger for DD powerboat Diesels.	End. test 58% compl. 57 hr. Insp. rep. compl. Ltr. rep. B, cold std. & perform. compl.	WFJ
B-1343 A	-- S41-3/S82 (4-20-Dq)	4-22-39	Cyl. head, Lanova 1-lobe- Test with & without supercharg. & determ. most suit. type supercharger for DA powerboat Diesel engines.	Cold start. tests compl.- Reliability test 30% compl., 302 hrs.	WFJ
B-1345 B	-- S39/L5 (5-2-Ds)	5-5-39	Insul., glass fiber felt- Union Asbes. & Rubber Co.	Report in prep.	JGO
B-1384 B	-- JJ33/L5 (5-3-Ds)	5-10-39	Pack., plas. met. coil form met. foil jacket- Valvease.	Disct'd- New samples to be sub.	JGO
B-1387 B	-- QS13 (5-9-Ds)	5-18-39	Filters, oil- Anal. of samp. oil from U.S. Coast Guard.	Report S sub. Continuing.	JGO
B-1388 B	-- JJ33/L5 (5-11-Ls)	5-17-39	Pack., plas. metal, coil form, metal foil jacket, Sea- ^{to} Armored Nek Seal Style 501-Sea- ^{to} Pk. Co.	Underway. Partial rep. sub.	JGO

SUT0001

CRMC-M&S-003868

1299

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-1144 B	\$ 65.00 S57(A)/L5(1-10-Ds)	3-3-39	Thermom.dist.road.dial- Thomas A. Edison, Inc.	Prolim. report sub.	JEL
B-1146 B	-- JJ33/L5(11-19-Ds)	12-13-37	Pack., comp. asbos. shoot- with neoprene binders- sub. by various mfrs.	Report A sub. Continuing.	JGO
B-1156 B	-- JJ14/L5 (9-3-Ds)	2-20-39	Compd., anti-seize, ORFA brand- E.L. Orndorff.	Underway.	JGO
B-1150 A	-- S56-6 (3-7-Ds)	3-9-39	Foodwater, boiler- Design of appar. for dissolved oxygen determination.	Report A sub. Continuing.	JGO
B-1169 B	-- JJ33/L5(3-6-Ds)	3-11-39	Pack., gaskets, boiler & pipe flange- SPIROTALLIC- Johns Manville Co.	Test underway.	JGO
B-1180 B	-- S43-2/L5 (2-16-Ds)	3-13-39	Bearing strips, RYERTEX- phenolic type- Joseph T. Ryerson & Son, Inc.	Test underway.	JEL
B-1181 A	Reopened JJ14/L5 (4-10-Ds)	5-27-39	Oil, lub., used, from #2 & #3 units- USS ASTORIA	Report F sub. Continuing.	JGO
B-1200 B	-- S53-1/L5 (3-3-Ds)	3-18-39	Bearings, ball, double- shielded type, in elec. motor- Reliance E&E Co.	Retest underway.	JEL
B-1225 B	-- QP/Welding/L5(2-23-Ds)	4-5-39	Welding of carbon and C-Mn steels.	Matl. recd.	IR
B-1227 B	-- QP/Welding/L5(3-3-Ds)	4-5-39	Weld- Std. qual. test for welding operators- Im- provement of bending jig.	Bending jig compl. Prep. of samples underway.	WCS
B-1237 B	\$ 925.00 S46-1/L5(11-14-Ds)	4-8-39	Ejectors, air- Condenser Service & Engr. Co.	Compl. & Rep. Await. finan. adj.	JEL
B-1251 A	-- JJ6-5/L5 (6-13-S)	6-26-37	Oil- Fluids, hydraulic- Analysis of- Bu. Aero.	Report B sub.	JGC
B-1258 B	-- JJ14/L5 (8-1-Ds)	8-6-36	Lubricant, gear, Hypoid- Reqn. 9241- Gov. of D.C. R.M. Hollingshead Corp.	Cancellation recom. Acct. non-recipt of samples.	JGO
B-1264 B	-- JJ46/L5(3-28-Ds)	4-13-39	Tube, condenser- Chasco Brass & Copper Co.	Report being printed	WCS
B-1265 A	-- JJ46/L5(4-13-Ds)	4-17-39	Metals- Steel, carb-molyb. Effect of time & temp. on residual stresses in.	Report in prep.	WCS

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-934 B	\$ 125.00 S39/L5 (12-21-Ds)	12-27-30	Insul., Super Unibostow- Union Asbos. & Rubber Co.	Underway.	JGO
B-956 B	-- S45-3/L5(11-25-Ds)	12-7-38	Purifiers, oil, for Diesel eng. lub. oils- Determine effect & suitability of Youngstown-Killer Co.	Prolim. rep. 2/6/40 Rep. B 4/12/40. Final rep. C 65% compl.	WFJ
B-967 B	-- JJ46/L5 (8-12-Ds)	1-5-39	Ketal- Ni-Al-Ironze Chase Brass & Copper Co.	Underway 85%	WCS
B-969 B	-- QP/Welding(12-7-Ds)	12-25-30	Weld- Carb-Molyb. Steel- stm. pipe- Proc. app. test Boilers- NYds, Phila., N.Y. Norfolk, Pug. Sd. & Mare Isl.	Retest of samp. from NYd, Norfolk underway.	(WCS BR)
B-979 A&B	-- S40-24/L5 (11-30-Ds)	1-9-39	Valves, 2" weld-ond, high temp.- Crane socket weld- end valves with chromium plates, stems and discs.	Weld. test rep'd rep. on 3" valves in prep.	(WCS BR)
B-996 B	-- QP/Welding/L5(12-20-Ds)	1-16-39	Weld- Qual. tests of GE Co. W52 & W54 electrodes for Cl. A&B C-Mo electrodes.	Report in print. Continuing.	BR
B-999 B	-- JJ33/L5 (10-17-Ds)	1-11-39	Packing, flex. metallic- Twistallic- E&H. Thompson.	Underway.	JGO
B-1016 B	-- S39/L5 (4-19-Ds)	4-23-38	Insul., Blanket, turbine- Fiberglas Brand- Owens- Corning Fiberglas Corp.	Final report in prep.	JGO
B-1017 B	-- L5/NP16 (11-14-Ds)	11-25-24	Tubes, boiler- Condition of- USS TULSA.	Underway 70%	WCS
B-1063 B	-- JJ33/L5 (6-26-Ds)	7-5-30	Pack., flex. nat.- Garlock Styles 5347 & 5348 - Garlock Packing Co.	Underway.	JGO
B-1075 B	-- JJ45-1/L5(12-1-Ds)	1-23-39	Metals, bolt matl- Lueng Spec. 43214(INT), 12/1/36- Inter. Hickel Co., Inc.	Matl. not recd.	WCS
B-1089 B	-- S41-3/S82(7-22-Yo)	8-2-36	Engine, Diesel powerboat, Norfolk type- Serv. test of rubber mounting.	Test compl. Report 50%	WFJ
B-1095 E	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, from #13 boiler U.S.S. SARATOGA	Underway 65%	WCS
B-1126 B	-- A5-7/DD (10-20-Yh)	11-30-36	Tube, boiler, failed- USS LAMSON- Examination of.	Underway 70%	WCS

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-604 B	-- NP16 (7-21-Ds)	8-6-38	Metals- Rate growth of metls.when subjected to high temp.steam.	Underway 40%. Add. samp.s.rocd.- Tests in steam underway.	WCS
B-615 B	-- JJ33/L5 (7-12-Ds)	8-12-38	Pack.,asb.high pres.rod- Ehret A-01-S brand- "hret Magnesia Mfg.Co.	Comple. Rep. -wait.finan.adj.	JGO
B-689 B	-- S40-24(R)/L5(7-15-Ds)	9-30-38	Valves, reducing - Klipfel Mfg.Co.	High pressure valves not rocd.	JBL
B-704 B	-- QP/Welding/L5(9-14-Ds)	10-6-38	Weld-1/8" dia.feriswold Phos-Br.electrodes and retest of,in 5/32" dia. size- Lincoln Elec.Co.	Test completed. Report in prep.	ER
B-708 A	-- SS/S41 (9-21-Ds)	9-28-38	Engines,2-cycle,double acting Diesel- Inves.to determine means of re- storing excessively worn cylinder liners of.	Thermit meth.compl. BR Colmonoy arc.weld.inves. underway.Await.auth.for flame harden.of lining deposited by arc weld.	
B-715 A	-- S46-5/L5(10-11-Ds)	10-12-38	Joints,rolled & expanded, tube- Cond.& heat exchgr. for Nav.ves.-Technique for.	Report A sub. Continuing.	WCS
B-748 B	-- JJ46-1(10-10-Ds)	10-13-38	Metals- Low alloy corros- resist.steel- Inves.for possible usefulness for boilers & oth.pres.vessels.	Weld.test compl. test underway.	(WCS (ER
B-791 B	-- QP/Welding/L5(10-20-Ds)	11-4-38	Weld- Qual.test of Wilson Alloyrod L&B Carb-molybdo- mum welding electrodes.	Report in print. Continuing.	ER
B-806 B	-- Aer-E-431-LN, JJI4G1	11-10-38	Oils,lub.- Army-Navy work factor test of.	No samples rocd.	JGO
B-817 B	-- C-CL8/S61 (1-5-Ds)	11-12-38	Boiler #11- Metallurg.test of steam drum- USS DETROIT	Report in prep.	WCS
B-860 B	-- S92/L5 (8-15-Ds)	11-22-38	Joints- Inves.of avail. means of silver brazing in restricted locations.	Test completed. Report in prep.	ER
B-872 A	-- S41-5 (11-29-Ds)	12-7-38	Water- Treat.of in closed cooling sys.with chromates	Underway.	JGO
B-866 B	-- JJ33/L5(10-12-Ds)	10-14-38	Pack.,cond.tube,copper fcil- Various mfrs.	Report in prep.	JGO
B-90C B	400.00 S47/L5 (11-15-Ds)	12-16-38	Pump,rotary gear,for M1 & M1- Schutte & Koerting	Exhibitor making modifications.	JBL

CRMC-M&S-003871



U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-432 B	-- S48-24(R)/L5(6-17-Ds)	6-28-38	Valves, reduc.- O.C. Keckley Co., Inc., exhib.	Exhib. making changes.	JBL
B-454 B	-- JJ33/L5(6-28-Ds)	5-31-38	Pack., high pres. rod, Style #46-Keasbey & Mattison Co.	Underway. Partial rep. sub.	JGO
B-457 A	-- S48-23/L5 (3-1-Ds)	6-17-38	Comps. sealing, turbine casing, sub. by var. mfrs.	Report J sub. Continuing.	JGO
B-458 A	-- S48-23/L5 (3-1-Ds)	6-17-38	Comps. sealing, thread joints, sub. by var. mfrs.	Report I sub. Continuing.	JGO
B-463 B	-- JJ33/L5 (6-7-Ds)	6-22-39	Pack., plas. non-graphitic, with braid, asbes. jacket- Tho Allpax Co., Inc.	Underway.	JGO
B-466 B	Reopened S39/L5(1-30-Ds)	2-4-39	Insulation, Rockwool, improved TUCOWUL-Tuco Co.	Underway.	JGO
B-485 B	-- S48-23(R)/L5(6-21-Ds)	7-15-38	Valves, pres. reducing- Atlas Valve Co.	100%. Report in prep.	JBL
B-490 B	-- QP/Welding/L5(6-29-Ds)	7-19-38	Weld. electrodes, Phos-Br. Test of Edco Process- Eccles & Davies Lachy Co.	50% completed. Recommended for cancellation.	ER
B-494 B	-- JJ33P5 (1-17-Ds)	1-20-38	Insul., pipe covering- Rockwool- NDS 32P5c of 12/1/37- Revision of.	Test underway.	JGO
B-504 B	\$ 50.00 JJ43/L5 (7-15-Ds)	7-30-38	Nut, self-locking- Boots Aircraft Nut, exhib.	Report in prep.	JBL
B-555 A	Reopened JJ43/L5 (8-11-Ds)	2-1-39	Stress indicating devices- Bolts	Report F made. Continuing.	WCS
B-560 B	-- L5/HP16 (11-14-Ds)	11-25-24	Liner, cyl.- HENELA- Cont. WOs-55897- F. Morso & Co.	Report in prep.	WCS
B-562 B	-- S19/L5 (8-2-Ds)	8-16-38	Coatings, NO-OX-ID-IZED- reinforced fabric wrapper- Corros-prev. covering for propol. shafts- Dearborn Chem. Co.	Underway 80%	WCS
B-585 B	\$ 250.00 Reopened-S43-2/L5(5-12-Ds)	6-22-39	Ball bearings - Bearings Co. of America	Katl. not recd.	JBL
B-591 A	-- Buong.	Oral	Engine, 2-cycle commercial Diesel-Devel. for use as 150-hp powerboat engine.	Eng. 671701, 400 hrs. on reliability test.	WFJ
B-592 B	\$ 250.00 S48-24(R)/L5(8-16-Ds)	8-29-38	Valves, red., Cl. "ca" and "d"- Atlas Valve Co.	Exhibitor making changes.	JBL

U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-277 A	-- S41-5/L5 (2-2-Ls)	2-4-37	Liner, cyl.-Devol. of & test Report 5% compl. satis. type for Winton 8x10 Diesel eng.-heduco oil-consump.	WFJ
B-278 B	-- JJ33/L5 (5-2-Ls)	5-7-36	Pack., plas. non-graphitic Various manufacturers.	Underway. Partial rep. sub.
B-280 D	-- S39/L5 (4-22-Ls)	4-30-36	Insul., 85% magnesite, formed flange covers - Plant Rubber & Asb. Wks.	Underway.
B-288 B	-- JJ46/L5 (5-3-Ls)	5-14-36	Weld- Suit. test of hard- facing rods #10 for gas weld. & #110 for elec. arc weld.- Coast Metals, Inc.	Report in prep.
B-293 A	-- S41-5/L5 (2-2-Ls)	2-4-37	Rings, piston "Pedrick"- hydraulic oil control- meter. suitability of.	Awaiting use of equipment.
B-296 B	-- JJ46-1/L5 (4-13-Ls)	5-13-36	Metals- Creep test of ferrous- Tinken Co.	Underway 65% cold. test underway.
B-300 E	-- S43-2/L5 (4-3-Ls)	5-16-36	Bearing matl.- The Amer. Brake Shoe & Foundry Co.	Continuing.
B-343 B	-- JJ33/L5 (5-3-Ls)	5-25-36	Pack., semi-metallic, Syn. 1400-Union Asb. & Lubr. Co.	Underway. Partial rep. sub.
B-375 B	-- Reqn. ENL/2/79601	5-4-36	Evaporators, Kleinschmidt vapor compression type distilling plant.	Exhib. making changes in compressor.
B-386 E	200.00 S41-3/SC2/L5 (5-16-Ls)	6-6-38	Couplings, flex.- Thomas Flexible Coupling Co.	Lab. test completed. Arranging serv. test.
B-392 A	-- S39/L5 (12-18-Ds)	12-27-37	Insul., cement, water-proof coat.- INSULKOTE & EAGLE IN- SULSEAL- J. Kenville Sales Corp. & Eagle Picher Co.	Report in prep.
B-399 B	-- QP/Welding/L5 (6-7-Ds)	6-24-38	Welding-Elbow fittings- Suit. test of- Taylor Forge & Pipe Works.	Test 80% compl.
B-401 B	-- QP/Welding/L5 (6-9-Ds)	6-27-38	Weld- Columbian bear. 4-6% Cr-Mo Steel (0.50% Mo)	Matl. on hand.
B-402 B	-- JJ33/L5 (4-15-Ds)	6-18-38	Pack., gaskets, spiral wd. metal, asbes- Azor Corp.	Underway.
B-403 B	-- DD415-20/S48 (6-10-Ds)	6-21-38	Radiators, steam heating- sub. by Navy Yard, Boston	Underway as oppor- tunity permits.

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

B-7 D	\$ 175.00 JJ33/L5(12-29-Ds) 1-21-38 JJ33/L5(12-29-Ds)	1-4-38 Pack., Sea-Ro Nck-Seal, Stylo 5051 & Sea-Ro Super- heat Spiral Stylo 503- Sea-Ro Packing Co., Inc.	Report C sub. Indefinite.	JGO
B-10 B	-- JJ32/L5(11-26-Ds)	12-1-37 Insul., cement, Flant 6002 Coverkote brands- Flant Rubber & Asbestos Works.	Underway. Rep. A in prop. 1 Sept.	JGO
B-32 E	-- S72-2(V) (2-1-Ds)	2-21-38 Insul., 85% magnesia pipe covering- Comparative tests of various brands.	Report in prop.	JGO
B-42 B	-- JJ/Solder(2-23-Ds)	2-28-38 Solder, silver, medium temp. (Cadmium silver).	Underway 50%	WCS
B-61 A	-- SS162-4/841(1-21-Ds)	1-29-38 Noise elim.- Subm. main propul. plants- Sd. Anal.	Report C sub. Continuing.	JBL
B-64 B	-- S39/L5 (2-14-Ds)	2-21-38 Insul., Rockwool blanket, pipe covering No. 100 - Ealdwin-Hill Company.	Underway.	JGO
B-108 B	-- JJ7-3/L5(12-3-Ds)	3-15-38 Pumps, f.o.- Effect of l w viscosity on capacity.	Underway as oppor. permits.	JBL
B-146 B	-- QF/Welding/L5(3-31-Ds)	4-2-38 Weld- Effect of arc length on properties of Ni-Cu alloy and pure nickel	Completed. Report underway.	BR
D-161 B	-- JJ33/L5 (3-2-Ds)	4-7-38 Pack., valve stem, QF self- setting- Q-F Signal Co.	Underway.	JGO
B-166 B	-- QF/Welding/L5(4-12-Ds)	4-13-38 Weld- Mouldough Powder for use as backing material- Metal Bond Mfg. Co.	Underway. Prelim. test completed. Report in prep.	BR
B-190 D	-- JJ33/L5 (4-5-Ds)	4-13-38 Pack., plastic mot., Type C&R NDS 33425a- Linear Packing & Rubber Co.	Underway. Partial rep. sub.	JGO
B-209 A	\$ 450.00 S48-23/L5(4-7-Ds)	4-14-38 Valves, redesigned Foster Type EPSH excess pres. gov. Foster Engineering Co.	Report A made. Continuing.	JBL
B-246 B	Reopened JJ14/L5(1-30-Ds)	10-1-38 Compd. for prev. of ring sticking in Diesel engs. Various manufacturers.	Report A sub. Continuing.	JGO
B-267 B	-- S48-23/L5(3-22-Ds)	4-29-38 Separator, steam- Dri- Steam Valve Sales Corp.	Exhib. to submit new valve.	JBL

CRMC-M&S-003874

SUT0001

113105

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

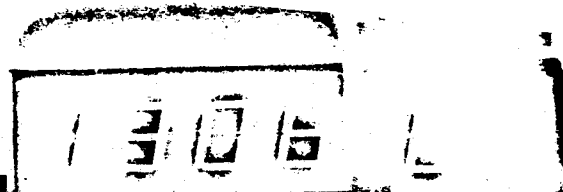
Report of tests for month ending 31 July 1940

9659 B	-- S45-1/L5 (5-7-Ds)	10-1-37	Oil, lub., on Winton 100-kw omorg. set- SOLERS- Samples from serv. test of Skinner FE-7 streamline filter.	Report C sub.	JGO
9685 B	-- S39/L5 (10-6-Ds)	10-20-37	Insul., pipe & flg. covers- Unibestos- Union Asbestos and Rubber Co.	Final report in prop.- 1 Sept.	JGO
9703 B	-- S29/L5 (10-20-Ds)	11-8-37	Insul., glass wool, for in- takes, boiler & casings- Owens-Illinois Glass Co.	Report B sub. Underway.	JGO
9725 A	-- S44/L5 (10-19-Ds)	11-3-37	Propellers- Determine suitable materials for	Add. matl. recd. Report in prep.	WCS
9734 B	QP/Welding/L5(11-13-Ds)	11-17-37	Welding- Weldability of iron alloys.	30% completed.	ER
9790 B	QP/Welding/L5(11-30-Ds)	12-6-37	Weld- Invs. to deter. suit. of root & face bend tests to qual. welders to work with Ni-Cu, Cu-Ni, C-Mn steel & Mg-Br with Phos-Bronze.	Completed. Report in prep.	ER
9803 B	\$ 85.00 S07(A)/L5 (11-12-Ds)	12-9-37	Thermometer, dist. reading dial- U.S. Gage Co.	Improved thermom. to be submitted.	JBL
9811 B	-- JJ33/ L5(11-5-Ds)	11-11-37	Pack., Allpax Style #1- coil form- Allpax	Underway. Indef. Partial rep. sub.	JGO
9846 A	-- S41-5/L5 (2-2-Ds)	2-4-37	Pistons- Design, Develop & test EES cooled, in Winton Gx10 S/L Diesel for suit.	Cancellation recommended.	WFJ
9865 B	-- L1-2/N116 (8-2-D1)	12-3-37	Piping, valves, fittings & joints for use with Freon refrigerant- Invs. of.	Report B sub. Continuing.	JPL
9870 B	-- Aer-E-46-ETC, JJ7G1, ET10	1-3-38	Fuels, avia.- Cooperative test for knock rating.	No samples recd.	JGO
9896 B	-- S47/L5-2(12-10-Dx)	12-31-37	Seals, rotary pump and turbine shafts- Invs., development & test of.	Underway. Extend. investigation.	JBL
9913 A	-- JJ46-1/L5(1-8-Ds)	1-14-38	Metals, wrought carb. steel (killed)- Creep tests of	Creep tests underway 75%.	WCS
9977 B	-- S44 (1-21-Ds)	2-10-38	Welding of manganese- bronze propellers.	55% completed. Continued.	ER
B-6 B	-- JJ32/L5 (9-16-Ds)	9-22-37	Insul., cement, hard-finish Prep. by EES- Var. mfrs.	Report in prep. 1 Sept.	JGO

-5-

CRMC-M&S-003875

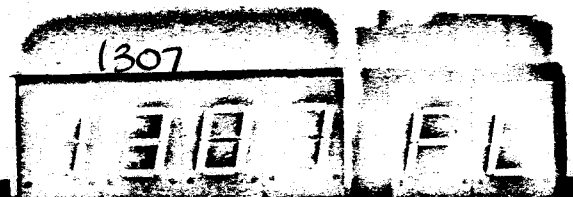
SUT0001



DOCUMENT REQUEST FORM		INITIALS	DATE
		WFS	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160 BOX 3/15	DC000681	66	2
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of Tests - July 1940. File # NP16/L5.			

CRMC-M&S-003876

SUT0001



U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 31 July 1940

8562 B	--	10-27-36 841-3(S)(10-16-Ds)	Spark plugs; Deter. of pre-ignition rating of	Report in prop.	JBL
8732 B	--	11-12-36 839/L5 (10-26-Ds)	Pack., asb. cloth, plain & wire reinforced- Var. mfrs.	Report in prop.	JGO
8739 B	--	12-30-36 JJ33/L5 (11-27-Ds)	Pack., Gaskets- Pressure- fillod- Wills Gasket, Ltd.	Temporarily disct'd Awaiting new samples.	JGO
8764 B	--	12-7-36 JJ33/L5 (10-23-Ds)	Pack., valve stem, high pres.- J. Crane Suporseal #6AK- Crane Packing Co.	Report A sub. Final rep. in prep.	JGO
8778 B	--	1-16-37 JJ33/L5 (12-22-Ds)	Pack., asb. high pres. rod- Heliol 303- Crandall Pk. Co.	Report A sub. Final rep. in prep.	JGO
8783 A	--	4-8-37 841-3/882/L5 (4-6-Ds)	Engines, Diesel powerboat- Calibration of	DA compl. Rep. 99% Suppl. Rep. 8-3 sub.	WFL
8833 B	--	2-10-37 JJ33/L5 (2-9-Ds)	Pack., Sym. 1104- Tests of Determine max. & minimum lubrication required.	Report in prop. 1 Sept.	JGO
8865 B	--	2-20-37 QP/L5 (12-17-Ds)	Tubes, condenser- Tests in experimental condensers.	Extended invos. Cond. reinstalled. Underway in new location	WCS
8866 B	--	1-13-37 JJ33/L5 (12-22-Ds)	Pack., Gaskets, manhole- 555 Guardian Brand - Garlock Packing Co.	Underway.	JGO
8867 B	--	1-12-37 JJ33/L5 (12-22-Ds)	Pack., plas. metal, & non- metal, Sym. 1106, 1107 and 1434- Garlock Pack. Co.	Underway. Indef. Partial rep. sub.	JGO
8868 B	\$ 125.00	1-13-37 JJ33/L5 (12-22-Ds)	Pack., plas. not, Sym. 1432 & 1433- Garlock Pack. Co.	Underway. Indef. Report A sub.	JGO
8906 B	--	3-6-37 846-5/L5 (1-11-Ds)	Condenser- Estab. improved design by exper. tests in order to prev. tube failure.	Reps. A-E sub. Continuing.	WCS
8912 B	\$ 125.00	3-13-37 JJ33/L5 (3-3-Ds)	Pack., semi-not, Sym. 1400- Style 7305- Garlock Pk. Co.	Underway. Indef. Report A sub.	JGO
8935 B	--	2-15-37 862-2(H)/L5 (1-26-Ds)	Pack., plas. stuffing tube- JL Style 1X-2054- Johns Manville Sales Corp.	Now sample to be submitted.	JGO
8936 B	--	2-19-37 JJ33/L5 (12-22-Ds)	Pack., asb. high pres. rod- Belmont Pack. & Rubber Co.	Report A sub. Final report in prep.	JGO

CRMC-M&S-003877

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

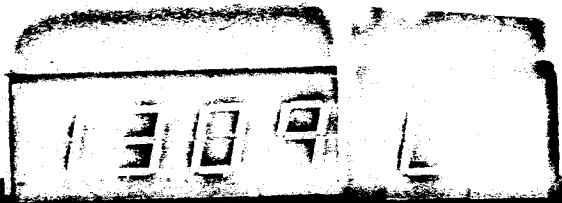
Report of tests for month ending 31 July 1940

7773 B	-- L1-2/HP16 (6-4-Ds)	12-3-35	Governors, pros. & Valves, reducing- Invs. of matl. for wearing parts of.	Report in prop.	JBL
7781 A	\$ 958.20 847/L5 (1-16-Ds)	1-24-35	Governors, pump, constant & excess pressure types- Foster Engineering Co.	Continuing. Waiting resubmission.	JBL
7816 B	-- 8-7160(2-11-Ds)	2-12-36	Welding- Approval test of nickel electrodes.	Report B underway.	BR
7818 B	-- 8-7166 (2-11-Ds)	2-12-36	Welding- Approval test of aluminum electrodes.	Report A made. Continuing.	BR
7851 B	-- 846-22/L5 (2-14-Ds)	2-19-36	Connec., flex, bulkhead- for steam piping - Foster-Whoele Corp.	Awaiting Bureau's action.	JBL
7870 A	-- JJ46-1/L5(2-27-Ds)	2-28-36	Steel-carb-molybdenum, as rolled- Creep tests. Babcock & Wilcox Co.	Creep tests at additinnal temps. underway.	WCS
8053 B	-- 848-24/L5(4-23-Ds)	4-28-35	Valves, plug., for fuel oil service- L.J. Bordo Co.	Report being photolithod.	JBL
8089 A	-- 848-24(R)/L5(3-21-Ds)	5-8-36	Valves, pros. reducing - Operation of in series	Underway 50% Indefinite.	JBL
8103 A	-- 846-23 (5-14-Ds)	5-14-36	Joints, pipe- Maintaining tightness with steam at 600r, 750°F. temperature.	Rep. C made, Recom. continuation of test along diff. lines. Continuing.	WCS
8181 B	-- QP/Welding(11-25-Ds)	6-12-36	Weld- Scale-resist, alloy 25% Cr-20% Ni- Proc. appr. test- NYd., Laro Island.	Matl. not recd.	(WCS (BR
8212 B	-- JJ33/L5 (6-12-Ds)	6-19-36	Packing, flex, metallic, Style 360- J.K. Corp.	Underway. Indef. Partial rep. sub.	JGO
8428 B	-- JJ33/L5 (8-6-Ds)	9-5-36	Pack., flex, met. rod & semi- met. stern tube-Styles 33CC & 39CC- Felt Prod. Mfg. Co.	Report F sub. Final rep. in prep. 15 Sept.	JGO
8478 B	-- QP/Welding/L5(9-8-Ds)	9-19-36	Weld- Proc. approv. test- Scale-resist. alloy (25% Cr-20% Ni)-Charleston NYd.	Matl. not recd.	(WCS (BR
8480 B	-- QP/Welding/L5(9-9-Ds)	9-19-36	Weld- Proc. approv. tests- Corros-resist. steel(CRS Gr.1)-Charleston NYd.	Matl. not recd.	WCS
8561 B	-- CA37/848 (6-20-Ds)	10-27-36	Pack., compressed asbes. sheet- Inves. to develop meth. of test- Var. exhib.	Underway. Indefinite.	JGO

-4-

CRMC-M&S-003878

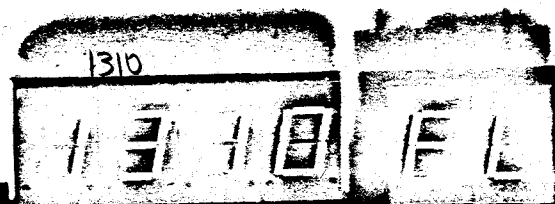
SUT0001



DOCUMENT REQUEST FORM		INITIALS	DATE
		WES	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160Box 315	DC000681	67	6
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly Report of Tests - July 1940. File # NP16/L5.			

CRMC-M&S-003879

SUT0001



U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>	
9604-(23) JBL	3	Noise surveys of main reduction gears and engine rooms of USS STERRETT - See report for recommendations.
9767 JBL	15	Bu.Eng.Type steam moisture separators for auxiliary steam lines, whistles and sirens - See report for recommendations.
B-457-I B-458-H JGO	11	Compound, joint and thread, high temp.- L-Pando pipe joint compound-sub. by Ex-Pando Corp. - See report for recommendations.
B-615-B JGO	10	Packing, asbes. high pressure rod - Ehret A-01-S brand - Considered unsuitable for Naval use.
B-791 BR	29	Type approval test of Wilson Alloyrod "A" and "B" carbon-molybdenum steel welding electrodes- Wilson Welder and Metals Co., Inc. - See report for recommendations.
B-996 BR	29	Type approval test of G.E.W-52 and W-54 carbon-molybdenum welding electrodes- General Elec.Co.- See report for recommendations.
B-1328-B JGO	1	Packing, electric cable stuffing and terminal tubes, Part B, Aco-O-Pax No.133, sub. by Packing Engineering Co. - Considered suitable for Naval use.
B-1336 WCS	9	Instructions for bolting high temp. pipe joints - No recommendations.
B-1367-S JGO	23	Oil filters, used oil from - U.S. Coast Guard Cutters HARRITAN and ELUGATUCK - See report for recommendations.
B-1424-AO WCS	3	Order H385-144 - Bethlehem Steel Co. forging 879 - Line shaft for CV8 - Acceptance recommended.
B-1424-AP WCS	26	Order H385-144- Bethlehem Steel Co. forging 861- Propeller shaft for CV8 - Acceptance recommended.
B-1552-165 JBL	3	Cont. 421-514- G.E.Co. Ord. RW-747917 on New Departure - Ball bearing for BB57- Acceptance recommended.
B-1552-166 JBL	3	Conts. NOs-70931, 67139, 422-32 - G.E.Co. Ords. SW-8710, 8541 and 24732 on Fafnir Bearing Co.- Ball bearings -Acceptance recommended.
B-1552-167 JBL	8	B.F. Sturtevant Co. Ord. 74968 on Fafnir Bearing Co. - Ball bearings - Acceptance recommended.
B-1552-168 JBL	5	Cont. NOs-67139- The General Elec. Co. Ord. SW-8541 on Fafnir Bearing Co. - Ball Bearings - Acceptance recommended.
B-1553-A-12 JBL	3	Traps, steam- Cont. 60956, 418-420, Reqn. 13-7102 and Cont. 41019 - Beth. Steel Co. S-605-453-E-1470-The Trane Co., mfr.- Accep. recommended.

CRMC-M&S-003880

SUT0001

1311

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

Test No.	July
B-1554-F JBL	12 Valves, reducing- Newport News SP&DD Co. Order H385-613 on Leslie Co.- Acceptance recommended.
B-1557 JBL	30 Reqn. 685, Cont. 58425- Air pressure reducing valves for Puget Sound- Chas. H. Harden & Co., contr.- Foster Engr. Co., mfr.- See report for recommendations.
B-1570-CH JGO	1 Lub. oil- Cont. 66906- Check test of Texaco oils from NYd, Norfolk- See report for recommendations.
B-1570-CI JGO	3 Lub. oil- Cont. 8-86906- Check test of Texaco 3065 oil from USS TAUTOG - Acceptance recommended.
B-1570-CJ JGO	3 Lub. oil- Cont. 66906- Check test of Texaco 3080 oil for War Dept., Fort Belvoir, Va.- No recommendations.
B-1570-CK JGO	8 Lub. oil- Cont. 66906- Texaco 2110 oil- Supply Officer, Alaska Defense Force, Anchorage, Alaska - No recommendations.
B-1570-CL JGO	8 Lub. oil- Cont. 66906- Texaco 2190 oil to be used on USAT ST. MIHIEL from Fort Mason, Cal.- Acceptance recommended.
B-1570-CM JGO	12 Lub. oil- Cont. 66906- Texaco 4065 oil to be used on USAT US GRANT from Fort Mason, Cal.- No recommendations.
B-1570-CN JGO	15 Lub. oil- Cont. 66906- Texaco 5065 oil to be used for boats GEN. JOHN T. KNIGHT & CAPT. C.K. CONDON- Fort Mason, Cal.- No recommend.
B-1570-CO JGO	15 Lub. oil- Sample of new 3100 from War Dept., US Engr. Office, St. Louis, Mo.- No recommendations.
B-1570-CP JBO	15 Lub. oil- Cont. 66906- Texaco 3080 from USN Torpedo Station, R.I.- No recommendations.
B-1570-CQ JGO	16 Lub. oil- Cont. 66906- Texaco 4065 to be used on USAT REPUBLIC - Fort Mason, Cal.- No recommendations.
B-1570-CR JGO	29 Lub. oil- Cont. 66906- Texaco 2250 to be used on USAT LIBERTY from Fort Mason, Cal.- No recommendations.
B-1570-CS JGO	30 Lub. oil- Cont. 66906- Texaco 4065 to be used for 9th Corps Area stock from Fort Mason, Cal.- No recommendations.
B-1570-CT JGO	30 Lub. oil- Cont. 66906- Texaco 3080 for use at 9th Corps Area stock from Fort Mason, Cal.- No recommendations.
B-1606-BK JGO	3 Cont. 66979- Boiler gaskets for Sewall's Point, Va. (12)- Garlock Packing Co., contr.- Acceptance recommended.
B-1606-BL JGO	3 Cont. 66979- Boiler gaskets for Brooklyn (23)- Garlock Packing Co., contr.- Acceptance recommended.

CRMC-M&S-003881

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

Test No.	July	
B-1606-BM JGO	3	Cont. 66979- Boiler gaskets for Mare Island (9)-Garlock Packing Co., contr.-Acceptance recommended.
B-1606-BW JGO	17	Cont. 66979-Boiler gaskets for Washington, DC (3)-Garlock Packing Co., contr.- Acceptance recommended.
B-1606-BO JGO	22	Cont. 66979- Boiler gaskets for Mare Island- (10)- Garlock Packing Co., contr.- Acceptance recommended.
B-1620-C JGO	11	Par-Al-Ketone, modified compound -Cont. N156s-14967- J.L. Fannon Co., Inc., contr.-Acceptance recommended.
B-1638-D JGO	30	Packing, asbes. rod, high pressure, for various destinations-Cont. 67339 Raybestos Manhattan, Inc., contr.- Acceptance recommended.
B-1639-FZ JGO	3	Packing, asbes. metallic cloth, sheet, for Navy Yard, Mare Island (20) Cont. 67339- Garlock Packing Co., contr. - Acceptance recommended.
B-1639-GA JGO	3	Packing, asbes. metallic cloth, sheet, for NYd, Charleston (7) - Cont. 67339- Garlock Packing Co., contr. - Acceptance recommended.
B-1639-GB JGO	3	Cont. N0s-67339- Hydraulic packing for Brooklyn (24)- Garlock Packing Co., contr.- Acceptance recommended.
B-1639-GC JGO	3	Packing, braided asbes. rod- Cont. 67339- Garlock Packing Co., contr. & mfr.- for NYd, Mare Island- Acceptance recommended.
B-1639-GD JGO	3	Packing, braided asbes. rod- Cont. 67339- Garlock Packing Co., contr. & mfr.- for NYd, Brooklyn- Acceptance recommended.
B-1639-GE JGO	3	Packing, braided asbes. rod- Cont. 67339- Garlock Packing Co., contr. & mfr.- for Sewall's Point, Va. (36)- Acceptance recommended.
B-1639-GF JGO	3	Cont. 67339- Asbes. metallic cloth sheet packing for Brooklyn (22)- Garlock Packing Co., contr.- Acceptance recommended.
B-1639-GG JGO	3	Cont. 67339- Metallic cloth sheet packing for Charleston (6) and Phi- (23)-Garlock Packing Co., mfr. & contr.- Acceptance recommended.
B-1639-GH JGO	3	Packing, asbes. metallic cloth, sheet, for NYd, Brooklyn (23) and Sewall's Point, Va. (36)-Cont. 67339- Garlock Packing Co., contr. - Acceptance recommended.
B-1639-GI JGO	3	Packing, braided asbes. rod, for NYd, Brooklyn-(24)&(25)- Cont. 67339 Garlock Packing Co., contr. & mfr.- Acceptance recommended.
B-1639-GJ JGO	5	Cont. 67339- Metallic cloth sheet packing for Portsmouth, Va. (10) Mare Island (17) and Sewall's Point (37)- Garlock Packing Co., contr.- Acceptance recommended.
B-1639-GK JGO	12	Cont. 67339- Valve stem packing for San Diego, (2195)- Garlock Pack- ing Co., contr. & mfr.- Acceptance recommended.

-4-

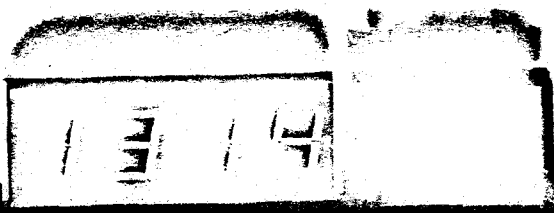
CRMC-M&S-003882

SUT0001

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>	
B-1639-GL JGO	15	Cont.67339- Hydraulic packing for Boston(15)- Garlock Packing Co., contr.- Acceptance recommended.
B-1639-GM JGO	15	Cont.67339-Braided asbes.rod packing for Phila.(24)-Garlock Packing Co.,contr.- Acceptance recommended.
B-1639-GN JGO	15	Cont.67339- Asbes.rod packing for Boston (16)- Garlock Packing Co.,contr.- Acceptance recommended.
B-1639-GO JGO	18	Cont.67339- Braided asbes.rod packing for Sowell's Point(37) - Garlock Packing Co.,contr.& mfr.- Acceptance recommended.
B-1639-GP JGO	26	Cont.67339- Packing,braided asbes.rod-for NYd,Mare Island(23) - Garlock Packing Co.,contr.& mfr.-Acceptance recommended.
B-1640-G JGO	15	Cont.67340- Flexible metallic packing for Norfolk(10)- Folt Products Co.,contr.- Acceptance recommended.
B-1643-AE JGO	10	Cont.67343- Comp.asbes.sheet packing for Norfolk,Va.Ord.#4 & NYd, Wash.,DCOrd.#4- Asbestos Textile Co.,contr.- Acceptance recommend.
B-1643-AF JGO	15	Cont.67343- Comp.asbes.sheet packing for NYd,Boston Ord.#6- NSD, Norfolk Ord.#11 and NYd,Brooklyn #12- Asbestos Textile Co.,contr. Acceptance recommended.
B-1643-AG JGO	25	Packing,comp.asbes.sheet for NSD,Norfolk Ord.12- Cont.67343 - Asbestos Textile Co.,contr.- Acceptance recommended.
B-1646-AH JGO	10	Cont.67346- Packing, Brooklyn Ord.37- Crane Packing Co.,mfr.& contr.- Acceptance recommended.
B-1646-AO JGO	17	Cont.67346- Packing for Mare Island #88- Crane Packing Co.,contr. Acceptance recommended.
B-1693-I JGO	11	Suitability of thin film rust preventive compound in hydraulic equipment - See report for recommendations.
B-1699 JEL	15	Pressure reducing valve for air and oil, mfg.by Cash Universal Regulator Co. - Considered not suitable for Naval use.
B-1756-D(2) JEL	19	Valves,reducing-Cont.52364- Reqn.NSA 1290 for NYd,Mare Island - O.C.Keckley Co.,mfr.- See report for recommendations.
B-1756-F(2) JEL	19	Valves,reducing-Cont.40437- Reqn.13-847,for Norfolk NYd.- O.C. Keckley Co.,mfr.- See report for recommendations.
B-1756-G JEL	26	Valves,reducing- Cont.NOs-73669 for various Naval Activities - O.C.Keckley Co.,mfr.- Acceptance recommended.
B-1781-L WCS	3	Ord.93004- Erie Forge Co.forging 2462-P17- Crankshaft for Cleve- land Diesel Eng.Div.,Cleveland,O.- Acceptance recommended.



**U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland**

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>
E-1950-B JGO	3 Packing, condenser tube, metallic, sub. by Condenser Service & Engineering Co. - Considered suitable for Naval use.
E-1953-I WCS	10 Order UB-2668-D- Both. Steel Co. forging 776- Line shaft for BB59 - Acceptance recommended.
E-1953-J WCS	17 Order UB-2668-D- Both. Steel Co. forging 701- Propellor shaft for BB59- Acceptance recommended.
L-2018-B JEL	1 Second prelim. rep. Main forced draft blowers for CL51-54- Federal SB&JD Co. Ord. 168-54- Westinghouse E&K Co. Ord. NY-63370 - See report for recommendations.
E-2068 JGO	12 Boiler water treatment for Power Plant - No recommendations.
E-2095 JGO	1 Norusto "A" rust prev. compound, Type C- sub. by Fisko Bros. Refining Co.- Recommended for Naval use.
E-2139-I WCS	19 Order 421-572- The Midvale Co. forging E-3365- Stern tube shaft for S. DAKOTA- Acceptance recommended.
E-2191-J JGO	12 Fuel oil for power plant, USNA- Cont. 70136- Standard Oil Co., contr, No recommendations.
E-2205-C JBL	3 Meter, fuel oil- Calib. after trials of SS ESSO RALEIGH, before this ESSO COLUMBIA- No recommendations.
E-2243-B JBL	3 Meters, fuel oil- Calib. after trials of SS AMERICA- Newport News No. 369- No recommendations.
E-2248 JGO	15 USS PATOKA- Boiler scale removal - See report for recommendations.
E-2259-C JGO	17 Diesel fuel- Sample from USS PRAIRIE Barge #9 from New YorkSE Corp.- Acceptance recommended.
E-2317 WCS	15 USS KANAWHA- Tube failures in #4 boiler No recommendations.
E-2334-E JGO	18 Report on samples of gasoline stored on outlying islands of the Pacific - See report for recommendations.
E-2369-D WCS	26 Ord. 79504 with Metals Coating Co. of America- Replacement Metal Sprayer for NYd, Phila. - Considered satisfactory.
E-2416-AC JGO	3 Lub. oil- Cont. NOD-1179 with General Motors Corp.- Sample of used Texaco 3065 oil taken at completion of 24-hr. full power run, aux. engine 5656- No recommendations.

CRMC-M&S-003884

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>
B-2416-AD JGO	22 Lub.oil-Cont.Nod-1179- G.M.Corp.- Engine 5646- GAR,GRAMPUS AND GRAYBACK - No recommendations.
B-2416-AE JGO	24 Lub.oil-Cont.Nod-1179 with G.M.Corp.- Engine 5655- GAR,GRAMPUS & GRAYBACK - No recommendations.
B-2416-AF JGO	24 Lub.oil-Cont.Nod-1179 with G.M.Corp.- Engine 5646- GAR,GRAMPUS & GRAYBACK - No recommendations.
B-2416-AG JGO	25 Lub.oil- Cont.Nod-1179 with G.M.Corp.- Engine 5655- GAR,GRAMPUS & GRAYBACK - No recommendations.
B-2416-AH JGO	26 Lub.oil-Cont.Nod-1179 with G.M.Corp.- Engine 5657- GAR,GRAMPUS & GRAYBACK - No recommendations.
B-2435 JGO	8 Diesel fuel-Samples from USS DC3BIN - See report for recommendations.
B-2535-C- JGO	17 Cont.C5975- Asbestos cloth- Carolina Asbestos Co.,contr. - Acceptance recommended.
B-2640 WFI	3 Standard Oil Co.of Calif.improved RPM and Texaco 303 lub.oils and Supersolv Lub-Ad lub.oil additive- Suitability of for use in Naval Diesel engines - No recommendations.
B-2643-B JBL	15 Meters,fuel oil- Calib.after trials USSPLUNKETT- Before trials USS KEARNY - No recommendations.
B-2655 JBL	10 Cont.72496 - Bu.of Ships Reqn.393 on Grove Regulator Co.,high pressure steam reducing valve- Acceptance recommended.
B-2689-B JGO	15 Cont.73025- Derivatives,Inc.,contr.-Sample of hydraulic speed gear from MWF,NYd,Wash.,DC- No recommendations.
B-2693-B JGO	26 Par-Al-Ketone- Edo Aircraft Corp.Ord.3514 on American Oil and Supply Co.- Cont.NOs-70089- Acceptance recommended.
B-2706 JGO	24 Cont.73606- Boiler gaskets for Great Lakes,Ill.(21)- Garlock Packing Co.,contr.-Acceptance recommended.
B-2718-K JGO	3 Lub.oil-Cont.Nod-1085 with G.M.Corp.- Engine 5631 - No recommendations.
B-2718-L JGO	3 Lub.oil- Cont.Nod-1085 with G.M.Corp.- Engine 5633 - No recommendations.
B-2718-M JGO	3 Lub.oil-Cont.Nod-1085 with G.M.Corp.- Engine 5635- AVP10 & 11 - No recommendations.
B-2718-N JGO	15 Lub.oil-Cont.Nod-1085 with G.M.Corp.-Engine 5632- AVP10 & 11 - No recommendations.

-7-

CRMC-M&S-003885

SUT0001

DOCUMENT REQUEST FORM		INITIALS	DATE
		WET	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
A-62A2160 Box 3/15	DC000681	68	6
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of tests - July 1940 File # NP16/LS.			

CRMC-M&S-003886

SUT0001



U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>
B-2808-A WCS	2 Order 50-99399-A- Carnegie-Illinois Steel Corp. forging 1639- Low pressure rotor forging for Westinghouse E&I Co.- Accep. recommend.
B-2809 JGO	3 Insulation, cement, for Boston NYd and Charleston NYd.- Cont. 24430- Eagle-Picher Lead Co.,- Acceptance recommended.
B-2809-B JGO	12 Insulation, block- Cont. 24430- Eagle-Picher Sales Co., mfr. - Acceptance recommended.
B-2815 JGO	3 Insulation, cement- Order S613-404-E-1470 for Bethlehem Steel Co.- BramanDow & Co., contr- EaglePicher Lead Co., mfr. - Acceptance recommended.
B-2816-B JGO	19 Par-Al-Ketone- E.E. Houghton & Co. Order 4994- Alex Corp., mfr. - See report for recommendations.
B-2817 JGO	3 Woven asbestos fabric for various N'ds.- Cont. 24429- Union Asbestos & Rubber Co., mfr.- Acceptance recommended.
B-2818 JGO	8 Packing, comp. asbos. sheet- for SS209-11- Ord. 101967 NOD-1180- Harrison Radiator Div.- Garlock Packing Co., mfr.- Accep. recommend.
B-2824 JGO	16 Diesel fuel- Samples from USS R.L. BARNES - No recommendations.
B-2825 JGO	8 Packing, semi-metallic, for NYd, Phila.- Reqn. 11690-1/40 Sundry- Pilot Packing Co., mfr.- Acceptance recommended.
B-2826 JGO	12 Diesel fuel- General Motors Corp. P.O. 2253 and 2307 furnished by Allied Oil Co.- Acceptance recommended.
B-2827 JCS	5 Order 416-448-E-1478- Erie Forge Co. forging 5404-F1- Stern tube shaft, line shaft for Beth. Steel Corp.- Acceptance recommended.
B-2827-B JCS	19 Order 416-448-E-1478- Erie Forge Co. forging 5403-F1- stern tube shaft for Beth. Steel Corp.- Acceptance recommended.
B-2827-C WCS	26 Order 416-448-E-1478- Erie Forge Co. forging 5402-F1- Propeller shaft for Beth. Steel Co.- Acceptance recommended.
B-2828 JGO	17 Par-Al-Ketone- Order A-3551- Vought-Sikorsky Co., contr.- Alex Corp., mfr.- Rejection recommended.
B-2830 JGO	11 Lub. oil and Diesel fuel- Taken during 4-day endur. test of engine 814037 at Fairbanks, Morse & Co.- No recommendations.
B-2831-1 JBL	12 General Elec. Co. Order RW-748076-69 on New Departure- Ball bearings- for BB57-59- Acceptance recommended.
B-2831-2 JBL	15 Cont. 70931- General Electric Co. Ord. S-8710 on Fafnir Bearing Co. Ball Bearings - Acceptance recommended.

-10-

CRMC-M&S-003887

SUT0001

U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>
B-2831-3 JBL	12 B.F. Sturtevant Co. Order 73513 on Fafnir Bearing Co.- Ball bearings Acceptance recommended.
B-2831-4 JBL	15 Cont. N220s-167953- New Departure- Ball bearings - Acceptance recommended.
B-2831-5 J-L	15 Cont. Brazilian Navy No. 17- General Elec. Co. Order RW-740071 on New Departure- Acceptance recommended.
B-2831-6 JBL	17 R.1-4525-S, 1-4524-S- Fafnir Bearing Co.- Ball bearings - Acceptance recommended.
B-2831-7 JBL	22 General Elec. Co. Order SW-30151 on Fafnir Bearing Co.- Ball bearing. Acceptance recommended.
B-2831-8 JBL	31 General Elec. Co. Orders SW-31879, 81 on Federal Bearings Co.- Ball Bearings - Acceptance recommended.
B-2831-9 JBL	31 General Elec. Co. Orders SW-27400, 1, 2, 3, 7, C, 13, 16 on Federal Bearings Co.- a/c 422-32- Ball bearings- Acceptance recommended.
B-2836 JGO	15 Rex hydraulic gear oil- Cont. 24557- furnished by Derivatives, Inc. for NYd, Boston, Mass.- Acceptance recommended.
B-2837 JGO	11 Plant fiber sheet packing-Stock Nos. C-41200 and C-41154 - Vellumoid Co., mfr.- Acceptance recommended.
B-2838 JGO	8 Packing, flax, for NSD, Sewall's Point, Va.- Reqn. 1-5650-S- Braiding & Packing Works of America, mfr. - Acceptance recommended.
B-2842 JGO	17 Cont. NOS-73829- Fuel, aircraft engine 92 octane- Shell Oil Co., Inc. Acceptance recommended.
B-2842-B JGO	24 Cont. NOS-73829- Fuel, aircraft engine 92 octane - Shell Oil Co., Inc Acceptance recommended.
B-2843 JGO	11 Order S-621-434-E-1478- Comp. asbes. sheet packing for Beth. Steel Corp.- Johns Manville Corp., contr.- Acceptance recommended.
B-2844 JGO	15 Order 31754-67- Cont. 69990- Valve stem packing for AVP-21-22 - Garlock Packing Co., mfr.- Acceptance recommended.
B-2846 JGO	10 Order A-6307- Packing rings for Crane Packing Co., mfr. & contr.- Acceptance recommended.
B-2847 JGO	31 Rust prev. compd.- P.O. DO-15093- Foster Wheeler Corp., contr.- Dearborn Chemical Co., mfr.- Acceptance recommended.
B-2848 JGO	15 Lub. oil-Cont. NOS-60427- with G.M. Corp.- Kendall J oil, Allison V3420-ABR engine- PTE vessel- No recommendations.

U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

Test
No.

July

B-2850 B-2851 JGO	16 Lubricating greases - R. M. Hollingshead Corp., contr.- Cont. N156s-16536 and N156s-16682- Acceptance recommended.
B-2852 JBL	15 Meter, cold water- Reqn. L-10760- Badger Meter Mfg. Co., contr.- Acceptance recommended.
B-2853 JGO	25 Polyether Phenyl Sulfonate Sodium Salt- Turco Products, Inc., mfr. No recommendations.
B-2857 JGO	12 LIVERMORE - Analysis of proposed boiler feedwater - No recommendations.
B-2858 JGO	12 Lub. oil and Diesel fuel- Samples taken during endurance run of Engine 609089 at Fairbanks, Morse & Co.- No recommendations.
B-2860 JGO	17 Asbes. felt for Y&D 70101- Order 83572- Frederick Snare Co., contr. Johns Manville Co., mfr.- Acceptance recommended.
B-2861 JBL	19 Meters, fuel oil- Federa. SB&DD Co. Ord. 160-161, Beth. Steel Co. Order 1124-402-D-1479- W.E. Williams Co., sub-contr- Buffalo Meter Co., mfr.- See report for recommendations.
B-2863 JGO	12 Order 77315- Valve stem packing - Garlock Packing Co., mfr.- Acceptance recommended.
B-2865 JGO	19 Gun slushing compound- Reqn. 11609 for Phila. Navy Yard- W.F. Houghton & Co., mfr.- Acceptance recommended.
B-2866 JGO	19 Packing, wire inserted rubber sheet for DD441-44- Orders 31435-39 and 31754-45- Garlock Packing Co., mfr.- Acceptance recommended.
B-2868 JGO	31 Electrolyte samples- Main storage battery, USSR-4 - No recommendations.
B-2870 JGO	18 Valves, rubber pump- Order 72632- Quaker Rubber Corp. mfr.- Acceptance recommended.
B-2871 JBL	24 Meters, fuel oil- Calib. before trials USS ROE - No recommendations.
B-2874 JGO	17 Order 607-40-35- Plant fiber sheet packing for DD423-424- Johns Manville Products Co., mfr.- Acceptance recommended.
B-2875 JGO	23 Cont. 53221- Gage glasses for Mare Island- Corning Glass Works, mfr. Acceptance recommended.
B-2876-A WCS	16 Cont. 73641- Carnegie-Illinois Steel Corp. forging 1763- Stern tube shaft for AVP-21-22 for Boston NYd.- Acceptance recommended.

CRMC-M&S-003889

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

Test No.	July
B-2076-B WCS	16 Cont.73641- Carnegie-Illinois SteelCorp.forging 1766- Stbd.line shaft for AVP-21-22- Boston NYd.- Acceptance recommended.
B-2076-C WCS	16 Cont.73641-Carnegie-Illinois SteelCorp.forging 1767- Stbd.line shaft for AVP-21-22- Boston NYd.-Acceptance recommended.
B-2076-D WCS	16 Cont.73641- Carnegie-Illinois SteelCorp.forging 1768- Stbd.line shaft for AVP-21-22- Boston NYd.- Acceptance recommended.
B-2076-E WCS	16 Cont.73641- Carnegie-Illinois SteelCorp.forging 1770- Stbd.line shaft for AVP-21-22- Boston NYd.- Acceptance recommended.
B-2076-F WCS	16 Cont.73641- Carnegie-Illinois SteelCorp.forging 1771-Stbd.line shaft for AVP-21-22- Boston NYd.- Acceptance recommended.
B-2076-G WCS	16 Cont.73641- Carnegie-Illinois SteelCorp.forging 1772- Port line shaft for AVP-21-22- Boston NYd.- Acceptance recommended.
B-2076-H WCS	23 Cont.73641-Carnegie-Illinois SteelCorp.forging 1774-1,2,3,4- Inboard couplings for AVP-21-22- Boston NYd.- Acceptance recommend.
B-2079 JGO	17 Orders 422-626,418-8372,418-2404,420-1882,418-2421- Asbestos Cloth Carolina Asbestos Co.,mfr.- Acceptance recommended.
B-2800 JGO	19 Packing,comp.asbes.sheet- Order 160-2706- Federal SB&DD Co.,contr. Garlock Packing Co.,mfr.- Acceptance recommended.
B-2881 JGO	19 Insulation,block,light weight- Order 522-446-E-1478 for Beth.Steel Corp.- Johns Manville Corp.,mfr.- Acceptance recommended.
B-2882 JGO	25 Diesel fuel- General Motors Corp.P.O.2817- furnished by Standard OilCo.- Acceptance recommended.
B-2883 JGO	24 Fuel oil-Cont.TPS-33137-Diesel fuel and Cont.TPS-33178,Grade 5B fuel oil from U.S.Engr.Boatyard,St.Louis- No recommendations.
B-2895 JGO	19 Cont.73866- Plastic metallic packing for various NYds.- Garlock PackingCo.,mfr.& contr.- Acceptance recommended.
B-2895-B JGO	23 Packing,braided asbes.rod for NYd,Boston- Cont.73866- Garlock Packing Co.,mfr.& contr.-Acceptance recommended.
B-2895-C JGO	25 Cont.73866- Braided asbes.rod packing for Norfolk(1)- Garlock Packing Co.,contr.- Acceptance recommended.
B-2895-D JGO	26 Cont.73866- Packing,braided asbes.rod for NYd,San Diego,Calif. Garlock Packing Co.,contr.& mfr.- Acceptance recommended.
B-2896 JGO	24 Cont.73867- Comp.asbes.sheet packing for various Navy Yards as ordered- Johns Manville Sales Corp.- Acceptance recommended.

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 31 July 1940

<u>Test No.</u>	<u>July</u>
B-2898 JGO	22 Insulation, pipe covering, molded asbestos-Cont. 418-2392 for New York Shipbldg. Corp.- Union Asbestos & Rubber Co., mfr.- Rejection recommended.
B-2899 JGO	23 Insulation, pipe covering, high temp brand- Cont. 168207- Ehot Mag. Mfg. Co., contr. & mfr.- Acceptance recommended.
B-2900 JGO	22 Griscom-Russell Co. Order G-31440-11- Comp. asbes. sheet packing- Durable Mfg. Co., contr.- Acceptance recommended.
B-2901 JGO	24 Hyceto anti-knock compound containing lead tetraethyl for use in gasoline, sub. by W.W. Phelps & G.J. Rador- No recommendations.
B-2902 WCS	24 Order 18602-N- Struthers Wells-Titusville Corp. forgings 26031-P1, 26034-P1 and 26035-P1- Propeller shaft coupling & thrust rings for PC-452- Defoe Boat & Motor Works- Acceptance recommended.
B-2902-B WCS	24 Order 18602-N-Struthers-Wells Titusville Corp. forgings 26031-P2, 26032-P2, 26034-P2 and 26035-P2- Propeller shafts, coupling & thrust rings for PC-452- Defoe Boat & Motor Works- Accop. recommend
B-2902-C WCS	24 Order 18602-N- Struthers-Wells Titusville Corp. forgings 26032-P1, 26032-P3 and 26033-P1- Propeller shafts & couplings for PC-452 Defoe Boat & Motor Works- Acceptance recommended.
B-2905 JGO	26 Contract Nos-73785- Motor gasoline (Motor Fuel V) for USNA- American Oil Co., contr.-Acceptance recommended.
B-2906 JGO	29 Diesel fuel & lub. oil- Samples taken during 4-day endur. test of Eng. 809040 at Fairbanks, Morse & Co.-No recommendations.
B-2907 JGO	24 Insulation, block, high temp.- Babcock & Wilcox Co. Ord. 72233 - Johns Manville Corp., mfr.- Acceptance recommended.
B-2908 JGO	24 Order H385-2346- Compressgd asbes. sheet packing for Newport News SB&DD Co.- Johns Manville corp., contr.-Acceptance recommended.
B-2909 JGO	24 Packing, plant fibre sheet- Ords. 790309, 830335 and 840059-Fairbanks Morse & Co., contr.- Garlock Packing Co., mfr.-Acceptance recommend
B-2910 JGO	23 Order 21469-A- Packing, braided asbes. rod- Northern Pump Co., contr. Garlock Packing Co., mfr.- Acceptance recommended.
B-2911 JGO	24 Packing, plastic (for dogs for watertight closures) Order 194-52 - Federal SB&DD Co., contr.- Crane Packing Co., mfr.- Accep. recommend.
B-2913-A WCS	23 Falk Corp. Ord. 655- A. Finkl & Sons Co. forgings C-2878-B1- H.P. & L.P. 2nd red. pinion for DD435-36-443-44- Acceptance recommended.

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 01 July 1940

<u>Test No.</u>	<u>July</u>
B-2914-A WCS	23. Falk Corp. Ord. 656- A. Finkl & Sons Co. forging 9-44c2-C1- H.P. quill shaft for DD435-36-443-44- Acceptance recommended.
B-2916 JGO	26 Reqn. 1-6160-S- Metallic asbes. sheet cloth for NSD Norfolk- Asbes. Textile Co., contr.-Acceptance recommended.
B-2917 JGO	26 Felt, for NYd, Norfolk-Cont. N181s-41479- Western Felt Works, mfr.-Acceptance recommended.
B-2920 JGO	26 Diesel fuel- General Motors Corp. P.O. 3223 furnished by Allied Oil Co.-Acceptance recommended.
B-2921 JGO	24 Insulation, Insbestos felt- Ord. 818-37020 for M.I.- Johns Manville Sales Corp., contr.- Union Asb. & Rubber Co., mfr.-Accept. recommended
B-2922 JGO	29 Diesel fuel-General Motors Corp. P.O. 3196 furnished by Standard Oil Co.- Acceptance recommended.
B-2923 JGO	24 Order 168-750- Flexible metallic packing- Crane Packing Co. mfr.- Acceptance recommended.
B-2924 JGO	26 Insulation, block material- Ord. 70223-Ehret Magnesia Mfg. Co., mfr.- Babcock & Wilcox Co., contr.- Acceptance recommended.
B-2925 JGO	30 Item 1, Reqn. 2-NSA-138-L- Hydrated lime for Deferrization Plant, USMA- No recommendations.
B-2927 WCS	28 Order 96402- Erie Forge Co. forgings 5741-P4, P5, P7- Crankshafts for SS212-214- General Motors Corp.- Acceptance recommended.
B-2927-B WCS	29 Order 96402- Erie Forge Co. forging 5741-P13- Crankshaft for SS212-214 for Cleveland Diesel Eng. Div., General Motors- Accep. recommend.
B-2927-C WCS	29 Order 96402- Erie Forge Co. forging 5741-P8- Crankshaft for SS212-214- General Motors Corp.- Acceptance recommended.
B-2929-1 JEL	29 Valves, reducing- Cont. MOD-1126- Newport News SB&DD Co. P.O. 2140 for Aircraft Carrier #8- Grove Regulator Co., mfr.- Accep. recommended.
B-2931 JGO	31 Diesel fuel and lub. oil- Taken during runs of engines 2683 and 2684- Ord. 1415 at American Locomotive Co.- No recommendations.
B-2933 JGO	30 Packing, wire inserted rubber sheet for York Ice Machy. Corp.- Cont. 68535, 15816, 16619- U.S. Rubber Co., mfr.-Accept. recommended.
B-2934 JGO	31 Con. W189s-25179-Gauge glasses-Corning Glass Works, mfr. - Acceptance recommended.
B-2936-A WCS	29 Ord. 486552- Erie Forge Co. forging 5691-P1- Motor forging for General Elec. Co.- Acceptance recommended.

CRMC-M&S-003892

SUT00011324

DOCUMENT REQUEST FORM		INITIALS	DATE
		WEJ	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
9-62A2160 Box 315	DC000681	70	19
DESCRIPTION			
U.S. Naval Engineering Experiment Station Monthly report of Test- November 1939 File # NP16/L5.			

CRMC-M&S-003893

SUT000 1

