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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

NP16/A9-4/L5 (Q)

9 - OCT 1940

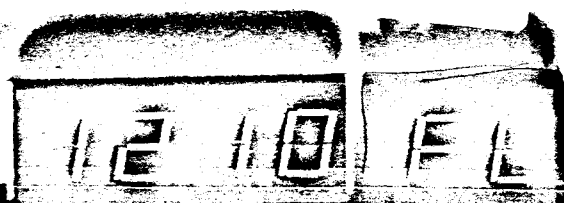
From: Director.
To: Bureau of Ships.
Via: Superintendent, U.S. Naval Academy.
Subject: Monthly Report of Tests - September 1940.
Inclosure: (A) Summary of Reports Submitted.
(B) List of Tests Incomplete.
(C) Addenda to Alphabetical Index of
Tests Dated 31 October 1934.
(D) List of Tests Reported During Month
Ending 30 September 1940.

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

A. T. Church

CRMC-M&S-003785

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DOCUMENT REQUEST FORM		INITIALS	DATE
		WET	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160 Box 3/15	DC000681	49	2
DESCRIPTION			
U.S. Naval Engineering Experiment Station Monthly report of tests - Sept. 1940 File # NP16/L5.			

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B-3142 B	--	9-5-40 S87(1) (8-27-DYs)	Thermom.mech.-Weston Electrical Instru.Co.	Underway1	JEL
B-3143 A	--	8-20-26 DD287/S51(7-24-Ds)	Oil,lub.,new & used- from prel.accep.trials- USS KELI	Compl.& Rep.	JGO
B-3144 A	--	8-20-26 DD287/S51(7-24-Ds)	Meters,fuel oil-Calib. for trials USS MORRIS & WAINWRIGHT- Norfolk NYd.	Continuing.	JDL
B-3160 B	--	8-24-40 JJ43 (7-11-DYs)	Comps.,anti-seize- I. H. Grancell.	Matl.not recd.	JGO
B-3151 B	--	9-3-40 JJ33(1)(8-19-DYs)	Packing,asb.high pres.rod General Asb.& Rubr.Div., Raybestos-Manhattan,Inc.	Matl.not recd.	JGO
B-3152 B	--	8-29-40 JJ33(1) (8-6-DYs)	Packing,plastic,for dogs for watertight closures - Johns Manville	Matl.not recd.	JGO
B-3159 A	--	11-25-24 L5/NP16 (11-14-Ds)	Water,distilled - Analysis of samples.	Compl.& Rep.	JGO
B-3160 A	--	9-10-40 Aer-E-431-LHL,QM(6626)	Gasoline,avia.100 octane Spec.AN-9531-Maritime Oil Co.	Arrangements underway.	JGO
B-3164 A	--	8-30-40 S41-1 (DYs)	Metals-Steel,Double shear test of- Suggested for use in locking pins in turb.rotor.	Underway 20%	VCS
B-3165 A	50.00	7-23-40 JJ14(7-10-SS)	Oil,lub.,Sym.5190,sub.by Socony-Vacuum Oil Co.,Inc.	Matl.not recd.	JGO
B-3166 A	--	11-25-24 L5/NP16 (11-14-Ds)	Oil,lub.,&Diesel fuel-from tests of eng.814041&814046 Fairbanks,Morse & co.	Compl.& Rep.	JGO
B-3168 A	--	11-25-24 L5/NP16(11-14-Ds)	Weld- Piping,steel,carb- molyb.,weld.- Proc.appr. test- N.Y. Shipbldg.Corp.	Orig.samp.bored out- Add.samp. requested.	(ACK (BR
B-3173 B	--	7-15-40 CL49/S51 (Dh) (SS)	Boilers- Leaky superheater blind nipple- Exam.of - USS ST.LOUIS (CL49).	Underway 50%	VCS
B-3182 A	--	9-16-40 NOs-66906 (DYs-4)	Deposit,Residue found in Texaco 3100 lub.oil deliv. to Guantanamo Bay-under Cmt.NOs-66906- Anal.of.	Compl.& Rep.	JGO

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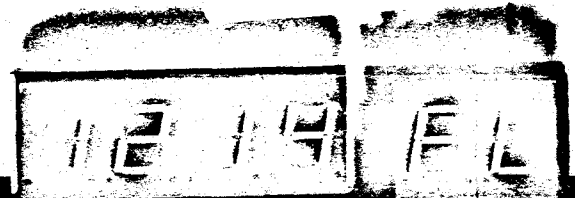
B-3073 B	-- DD287/S51(7-24-Ds)	8-20-26	Engine, D3 Diesel motor launch #1095- Pinion red. gear, external (Sym. 7956)- Failure of.	Underway 50%	WCS
B-3075 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, boiler, from USS NORTHAMPTON & GRIDLEY	Matl. recd. Underway.	WCS
B-3077 A	200.00 S47 (8-8-DYs)	8-21-40	Pump, centrif. close coupled motor driven- Frederick Iron & Steel Co., exhib.	Test underway.	JBL
B-3084 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, boiler, failed- USS SAMPSON.	Underway 10%	WCS
B-3085 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, boiler, failed- USS TEXAS	Underway 25%	WCS
B-3086 B	-- S39-2 (SS)	8-21-40	Insul., lagging, heat trans. factor- Galv. steel, fibrous glass & asbestos coverings.	Underway.	JGO
B-3093 A	-- SS/S48-24 (DYs)	8-26-40	Valve, red., air dome loaded Type 36E4- Foster Eng. Co.	Arrangements underway.	JBL
B-3094 A	450.00 L5/MP16 (11-14-Ds)	11-25-24	Pump, emerg. feed, 11"x8"x18" Conts. 68770 & 73366- N.Y. S3 Corp.-Ords. 423-24, 424-24, 425-10 & 426-10- M.T. Davidson Co.	Underway 10%	JBL
B-3104 A	-- S51-3(G) (8-28-DYs)	8-29-40	Gage, boiler water level- L.J. Bordo Co., Inc., exhib.	Matl. not recd.	JBL
B-3105 A	-- DD287/S51(7-24-Ds)	8-20-26	Oil, lub., new & used- sub. by SEARAVEN, with & without Briggs Clarifiers.	Samples Compl. & Rep.	JGO
B-3111 A	-- JJ14/L5 (8-1-Ds)	8-6-35	Oil, E Velocite, Socony- Vacuum- Watertown Arsenal, Watertown, Mass.	Underway.	JGO
B-3126 B	-- S48-23 (8-28-DYs)	9-4-40	Traps, stm, open bucket, Cl. 3, Type appr. test- Kieley & Mueller, Inc.	Arrangements underway.	JBL
B-3128 B	-- S48-23 (8-26-DYs)	9-3-40	Traps, stm, redesigned- Type appr. test- Armstrong Mach. Works.	Arrangements underway.	JBL
B-3131 A	-- S48-10 (DYs)	8-27-40	Weld. neck flanges- Bu. Stds. B-196- Inves. of strains	Underway 60%	WCS
B-3138 A	-- NOs-73837	9-6-40	Heaters, decorating- Cont. NOs-73837- Elliott Co.	Not yet underway.	JGO

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19-62A2160 Box 3/15	DC000681	50	3
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U.S. Naval Engineering Experiment Station - Monthly report of tests - Sept. 1940 File # NE16/L5.			

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B-2942 B	-- S39-1 (7-2-SS)	7-16-40	Insul., Ferro-Therm- Props. Matl. recd. test for corros-resist.- Underway. Amer. Flange & Mfg. Co., Inc.	WCS
B-2943 C	-- JJ46-1(21) (6-18-SS)	7-23-40	Metals- 5-point Deephard Arrangements process for hardening underway. Matl. wearing surfaces of machy. not recd. Foots Bros. Gear & Mach. Corp.	WCS
B-2944 D	-- SS170/S51(5-15-SS)	7-13-40	Springs, valve- Failure of Underway 50% USS CACHALOT (SS170).	WCS
B-2945 A	-- JJ46-1 (25)(SS)	7-22-40	Metals, Steel, molybdenum- Underway 30% vanadium-Beth. Steel Co.	WCS
B-2946 B	-- S48-23 (5-14-SS)	7-20-40	Fittings, flared tube- Arrangements under- Parker Appliance Co. way. Matl. not recd.	WCS
B-2947 B	-- DD287/S51(7-24-SS)	8-20-26	Tubes, boiler- Failure of Underway 30% USS ZANE.	WCS
B-2953 A	-- JJ50 (7-5-SS)	7-25-40	Compd., Paste, Manganese- Underway. Chemical analysis of.	JGO
B-2958 B	\$ 100.00 S43-2(7-16-SS)	7-24-40	Bearings, roller- Rollway Test underway. Bearing Co., Inc.	JBL
B-2964 A	-- JJ46-1 (1) (6-27-SS)	7-29-40	Metal, propeller, alloy- Underway 30% Kang-Nickel-Copper(Pure Mn)	WCS
B-2971 B	-- S48-23(SS)	7-30-40	Compd., joint & thread, Arrangements high temp.- I.H. Grancell. underway.	JGO
B-2973 B	-- S41-3(6-28-ss)	7-30-40	Engines, Diesel-Fuel inpc. 50% compl., sys. for-Eisemann Magneto 70 hrs. test. Corp.	WFI
B-2987 B	\$ 200.00 QS1 (5-1-De)	5-6-39	Meters, fo- Calib. for Continuing. trials Maritime Com. Hulls 53-58 & 110- MN SB&DD Co.	JBL
B-2988 A	\$ 125.00 JJ33 (2)(7-11-SS)	7-25-40	Pack., asb. high pres. recd, Underway this perfected brand-U.S. Rub. Co. month.	JGO
B-2990 B	-- S19-1(7)(6-25-SS)	7-15-40	Paints, heat resisting, Thur- Underway. Ma-Lox- M.W. Kellogg Co.	JGO
B-2991 B	-- S19-1(7)(7-17-SS)	7-22-40	Paint, heat-resisting - Underway. Glidden Co.	JGO
B-2992 A	-- Cont. NOs-73231 (SS)	8-1-40	Gages, pres., exper., case Underway. design- Manning, Maxwell about 16 Oct. & Moore, Inc.	JBL

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B-2862	\$ 100.00	5-6-39	Meters, f.o.- Calib. for trials Maritime Com. C-1 type Cargo Ves. 67-71 - Federal SS&DD Co. 172-176.	Continuing.	JSL
B	Q81 (5-1-Ds)				
B-2864	--	7-6-40	Valve, relief, constant back pres.- Foster Engr. Co.	Arrangements underway.	JEL
B	S48-24(6-13-SS)				
B-2872	\$ 100.00	7-6-40	Gasoline, aircraft eng. fuel A-N Spec. 9530 & 9531- Standard Oil Co. of Ind.	Completed. 2 Oct. 1940	JGO
B	Aer-E-431-ETC, JJ7G1, QM(6263)				
B-2873	\$ 50.00	7-6-40	Oil, gear, hydraulic, new std. Standard Oil Co. of Cal.	15 Oct. 1940	JGO
A	S72-9(7)/JJ14(10)(E12-1)				
B-2877	--	8-20-26	Meters, cond.- Calib. for trials DAHLGREN(DD187)	Report 3 made Continuing.	JBL
A	DD287/S51(7-24-Ds)				
B-2878	--	7-10-40	Noise isolator- Johns Manville Sales Corp.	Arrangements underway.	JBL
B	S40 (5-22-SS)				
B-2903	\$ 100.00	5-6-39	Meters, f.o.- Calib. for trials Maritime Com. Hulls 102-5- Beth. Hulls 1481-84	Continuing.	JBL
B	Q81 (5-1-Ds)				
B-2912	--	4-27-40	Oil, lub., Std. Oil of N.J. Esso-lube HD in Diesel eng.	182 hrs. on DD eng.	WJ
B	SSL-3 (SS)				
B-2915	--	7-15-40	Bear., Phenolic type, for motorboat strut & stern tube & pump shaft bear. serv.-Richardson Co.	Matl. not recd.	JBI
C	S43-2 (7-2-SS)				
B-2918	--	7-1-40	Apparatus- Viscosimeter, Brookfield synchro-elco.	Underway.	JGO
B	S87 (2)(6-7-SS)				
B-2926	--	6-22-40	Shafts, for blower service- Colmonoy overlay process- Wall-Colmonoy Corp.	Arrangements underway.	(JBI) (ER)
A	JJ46-10 (6-15-SS)				
B-2937	\$ 125.00	7-20-40	Meters, f.o.- Calib. for trials Maritime Com. Hulls 63-66- Ingalls SB Corp.	Continuing.	JBI
B	MC63-66/S55-5(T)-462				
B-2938	--	8-20-26	Tube, boiler- Failure of- USS WYOMING.	Underway 20%	EC
B	DD287/S51(7-24-Ds)				
B-2939	--	6-21-40	Tubes, boiler, for USS KALMIA(AT23)	Underway 20%	EC
B	AT23/S51(6-1-Mn)(SS)				
B-2940	--	6-19-40	Tubes, economizer- for boiler #8- SAVANNAH(C142)	Underway 25%	EC
B	C142/S51(4-10-Mn)(SS)				

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B-2810 3	--	6-21-40 S39-1(6-13-SS)	Insul., Felt, Rockwool, for boiler uptakes- Eagle Picher Sales Corp.	Underway.	JGO
B-2811 B	--	6-24-40 JJ33(1)(6-5-SS)	Pack., compd., jt. sealing, Duroloid-Northwest Proc. Co.	Matl. not recd.	JGO
B-2812 B	75.00	6-22-40 JJ32(6-13-SS)	Insul., Cement, Cl. B- 48- Forty-Eight Insul., Inc.	Wait. new samples	JGO
B-2813 B	--	6-21-40 S41-5 (SS)	Engine, intern. combustion- Fiedler Injoc. system for.	Awaiting matl. Program prepared.	WFJ
B-2814 B	--	6-24-40 S55-2 (6-17-SS)	Filters - Diesel fuel oil.	Test apparatus being designed.	WFJ
B-2819 B	--	4-27-40 SSL-3 (SS)	Oil, lub., Texaco Co. "303" in Diesel engines.	Test resumed 4/20/40 Eng. 5474, 181 hrs.	WFJ
B-2820 B	--	4-27-40 SSL-3 (SS)	Oils, lub.-Sinclair "Gascon" In Diesel engines.	Abeysance.	WFJ
B-2821 E	--	6-27-40 JJ33 (1)(6-14-SS)	Compd., jt. sealing- Tite-seal-Radiator Specialty Co.	Underway.	JGO
B-2822 B	--	6-27-40 JJ33 (6-20-SS)	Pack., stern tube, semi-met. Sym. 1405- Crane Pack. Co.	Matl. not recd.	JGO
B-2823 B	--	6-29-40 S62-2(6)(6-3-Sw)(SS)	Weld- Elec. cable stuff. boxes- Devel. of procedure- Made of free mach. steel, Cl. A- N.D. Spec. 46S17.	75% completed.	DR
B-2829 B	--	6-27-40 S47 (6-4-SS)	Pump, Gerotor, f.o. service hand oper.- Gerotor May Co.	Test underway.	JBL
B-2839 A	--	6-22-40 NOs-71435(6-10-Sw)	Weld. proc., Flash welding alloy tubes- Qual. of Cont. NOs-71435-RESTR.	Compl. & Rep. except chem. anal.- Prel. report made.	(WCS (BR
B-2840 A	--	6-20-40 JJ46-6 (SS)	Castings, alum., anodized- Cl. 245- Corros-resist. of.	Underway 80%	WCS
B-2841 C	--	6-26-40 S41-3 (4-8-SS)	Eng. Diesel, Type DA- Isolators, Unisorb vibration- Retest of- Felters Co.	Awaiting matl.	WFJ
B-2855 B	--	6-17-40 N102-29360 (6-28-SS)	Gages, pres. differential- Crosby Stm. Gage & Valve Co. underway.	Arrangements	JBL
B-2856 A	--	6-27-40 JJ43(4-22-SS)	Couplings, flex- Crocker-Wheeler Elec. Mfg. Co.	Arrangements underway.	JBL

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DESCRIPTION

U.S. Naval Engineering Experiment Station -
Monthly report of tests - Sept. 1940

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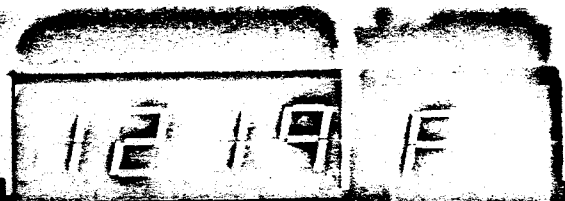


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B-2608 B	--	4-24-40 S39/L5 (12-29-SS)	Insul., Felt, woven glass- U.S. Asbestos Division; Raybestos-Manhattan, Inc.	Matl. not recd.	JGO
B-2628 A	--	Oral	Engine, Diesel, Winton 12- cyl, 201A- Tests of eng. parts & lub. oils in - at New London, Conn.	Eng. on test. Add. part design & purch.	W.F.J.
B-2639 B	--	5-11-40 QP/W&C (4)(1) (SS)	Weld, Electr. Appr. C-Mo steel- Deter. of time current relations of.	Assembling matls. for test.	BR
B-2640 B	--	4-19-40 JJ14 (4-8-SS)	Oil, lub., Diesel eng.- Improved non-corrosive RPM Brand of.	3 DA eng. tests, 150 hrs. W.F. 1 DD eng. test, 93 hrs. 1 CFR eng. test, 112 hrs. 4649 Winton 1164 hrs. 5474 Winton, 590 hrs. Work Factor compl.	
B-2642 B	--	5-10-40 JJ33 (4-9-SS)	Pack., plastic, for dogs for watertight closures- Hound Packing Co.	Matl. not recd.	JGO
B-2643 A	--	8-20-26 DD287/S51 (7-24-Ds)	Meters, f.o.- Calib. for trials PLUNKETT (DD431)- Federal SB&DD Co.	Continuing.	JBL
B-2648 A	--	5-9-40 JJ46-(o) (5-2-SS)	Alloy- Collalloy- Colonial Alloys Co.	Metals- Add. matl. recd. Undwy. 50%. Weld; Await. matl.	(WCS (BR)
B-2666 B	--	5-17-40 JJ-1361c (4-25-SS)	Glasses, gage, rd. Red Line type-Corning Glass Wks.	Arrangements underway.	JBL
B-2667 B	--	5-13-40 QP/Welding/46(3-12-8w)SS	Weld- Cast mang-vanadium alloy steel- Process appr. test- General Elec. Co.	Work compl. Await. decision of Bureau.	(WC. (BR)
B-2668 A	--	5-14-40 S48-10 QP/W&C (SS)	Metals- Matl. for steam serv.-Install. to operate at superheater outlet temp. 950°F & pres. about 1500 lbs. per sq. in.	Report made. Formal rep. made. Continuing.	WCS
B-2701 B	--	3-29-40 QP/W&C (4) (1)(5-8-SS)	Weld, Electr., Vicphoseo phos-bronze- Suit. test of Victor Equipment Co.	Underway.	BR
B-2715 B	--	5-14-40 JJ33 (4-22-SS)	Pack., plas. fibrous, Sym. 1106, 1107, 1432, 1433- Johns Manville Sales Corp.	Underway.	JGO

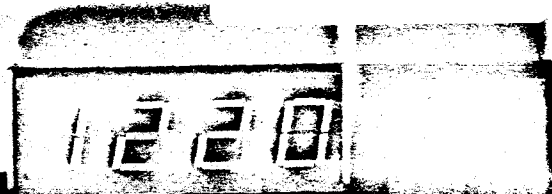
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B-2476 A	-- DD287/S51(7-24-De)	8-20-26	Meters, f.o.- Calib. for trials USS BENSON- Beth. Steel Co., SB Div., Mass.	Continuing.	JB L
B-2488 B	\$ 300.00 S47/L5 (9-14-SS)	3-28-40	Pump, rotary fuel & lub. oil, Cl. N3, N2, O2 services- Quimby Pump Co., 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	-- PO240/40, L1-2/NP(3-28-F)	3-28-40	Compd., preservative, thin film(Polar)- for machy. Devel. spec. for- PO 240/40.	Report A sub. Continuing.	JGO
B-2528 B	\$ 150.00 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 SB& Engr. Co.	Continuing.	JBL
B-2529 B	-- S48-10 (4-1-SS)	4-6-40	Indicators, sight flow, for low pressure steam drains.	Underway.	JBL
B-2531 A	-- S41-6 (SS)	4-9-40	Clutch, free wheeling- Mercury Clutch Corp.	Matl. not recd.	JBL
B-2532 B	-- QP/W&C-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 resubm. matl. compl. 95%.	BR
B-2540 A	-- S62-2/L5(12-18-SS)	4-10-40	Transformer, heat(HV unit) for stress-reliev. & heat treat. of welded pipe jts.- Western Welder Corp.	Test compl. Report in prep.	BR
B-2541 A	-- Proj. Order 238/40	3-28-40	Feedwater, boiler- Inves. of problems.	Underway.	JGO
B-2543 B	\$ 140.00 S41-3/L5(12-26-SS)	4-9-40	Indicator, I.C.E.- Type approv. test- Trill Ind. Co.	Rep. being typed	WJ
B-2544 B	-- JJ45 (2) (SS)	4-9-40	Valve, plug type, for gaso- line serv.- Barrett Mach. Co.	Matl. not recd.	JBL
B-2574 B	-- JJ46-2 (SS)	4-22-40	Metals, Steel, in contact with Cu alloys- Effect of.	Underway 35%	WCS
B-2584 A	-- S48-10 (Sw) (SS)	4-24-40	Joints, piping, welded- Devel. procedure to test by Magnetic Powder meth.	80% completed Await. add. matl. from NYd, New York.	BR
B-2604 A	-- FS/SH(2-15-De)	2-25-36	Oil, lub., for official trials, RHIND- Anal. of	Matl. not recd.	JGO



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B-2341 B	-- JJ33/L5 (1-23-SS)	2-19-40	Pack., plant fiber sheet- Vellutcx- Vellumoid Co.	Underway.	JGO
B-2342 B	-- S39/L5 (2-1-SS)	2-20-40	Insul. cement, high temp.- Eagle Q-S brand- Eagle Picher Sales Co.	Underway.	JGO
B-2367 A	-- CL13/S51(11-14-Mh)	12-29-39	Boilers- Cracks in knuckles of front steam drumhead- Exmn. of- MEMPHIS (CL13)	Prel. rep. made. Final rep. in prep.	WCS
B-2374 B	-- C-DB34/S51(10-25-ME3)	2-29-40	Feedwater- Boiler water treatment- USS NEW YORK.	Report B sub. Continuing.	JGO
B-2379 B	-- JJ33/L5(11-3-SS)	3-1-40	Seals, oil - Various mfrs.	Test underway.	JBL
B-2410 B	-- JJ51/L5 (1-25-SS)	3-8-40	Pack.- Compd., jt. & thrd. high temp.-Clyde brand- Cantleek Products Co.	Underway.	JGO
B-2411 B	-- JJ33/L5 (2-17-SS)	3-1-40	Pack., Cable stuff. tube, Part A- Crane Packing Co.	Underway.	JGO
B-2439 B	-- S43-2/L5 (2-2-SS)	3-2-40	Bearings, strut & stern synthetic rubber strips, Lucian Q. Moffitt, Inc.	Underway.	JBL
B-2440 B	-- QP/Welding/L5(2-24-Dw)SS	3-12-40	Weld, spot, CRS gr. 1 steel- Proc. appr. test- Combustion Engineering Co., Inc.	Report in prep.	(WCS (BR
B-2445 B	-- QP/Welding/L5(2-20-Dw)SS	3-19-40	Weld- Proc. appr. test of joints, superheater tubes- Foster-Wheeler Corp.	Rep. made- Chem. anal. of tube from ALABAMA underway.	(WCS (BR
B-2448 A	-- S43-1/L5 (2-17-ME)	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, Telemotor 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 prep.	JGO
B-2467 B	-- JJ14/L5 (2-6-SS)	3-25-40	Compds., metal condition- ing- R.M. Hollingshead Corp.	Underway.	JGO
B-2473 B	\$ 150.00 JJ45-(2) (SS)	3-15-40	Valves, Lever-Seald- Gasoline service- Homestead Valve Mfg. Co.	Matl. not recd.	JBL

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ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160 Box 3/5	DC000681	52	5
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of tests - Sept. 1940 File # NP16/L5.			

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 September 1940

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. Recommended for cancellation.	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-Ds)	8-3-39 Alloy, Cu-Ni (70-30)-International Nickel Co.	Underway 20%	WCS
B-1682 A	-- S46-5/L5 (7-17-Ds)	8-19-39 Tubing, finned, used in heat trans. apparatus- Deter. optimum design for.	Extended inves. Report B sub.	JBL
B-1690 A	-- S41-5/L5 (2-2-Ds)	2-4-37 Piston assembly, permanent mold casting with bevelled rings-for Winton submarine Diesel engines.	Ltr. rep. A & S-1 comp. #4 piston 4616 hrs. on 5474 eng.; #7 piston 994 hrs. on 4649 eng.; #8 piston 751 hrs.	WFJ
B-1693 A	-- JJ14/L5 (8-11-Ds)	8-12-30 Compd., rust prev.- Polar as substitute for Navy type- Investigation of.	Report L sub. Continuing.	JGO
B-1695 B	-- QP/Welding/L5 (7-27-Ds)	8-14-39 Weld. electr.- KOP-R-ARC, shielded arc, copper-Suit. test- Krebs & Co., exhib.	50% completed.	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-Ds)	8-19-39 Pack., plas. non-metallic- with aeb. & wire jackets- Johns Manville Corp.	Underway. Partial rep. sub.	JGO
B-1737 B	-- JJ33/L5 (8-10-Ds)	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-Ds)	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-Ds)	8-30-39 Valve, Governor, pump- Grove Regulator Co.	Report A made. Retest of modified governor underway.	JBL
B-1768 A	-- JJ46-1/L5 (9-8-Ds)	9-12-39 Metals, Steel, 18-8 Cr-Ni with Ag- Lebanon Stl. Fdy.	Underway 60%	WCS
B-1770 B	-- QP/Plating/L5 (8-11-Ds)	8-22-39 Metals- Corronizing- Corros-resist. process- Std. Steel Spring Co.	Report being printed.	WCS

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B-1411 B	-- JJ7-6/L5	6-26-38 (6-13-S)	Oil, lub., Velvol-Samp. from USS SARATOGA- Analysis of	Recommended for cancellation.	JGO
B-1415 B	-- S19/L5	5-25-39 (5-3-Ds)	Coating, protee., Condenser tubes- Phelps Dodge Prod. Co.	Underway 15%	WCS
B-1471 B	-- S48-23/L5	6-13-39 (5-19-Ds)	Traps, steam, impulse type- with integral strainer- Yarnall-Waring Co.	100%. Report in prep.	JBL
B-1477 B	-- S48-23/L5	6-7-39 (3-17-Ds)	Valves, plug, for fo, feed- water & steam services- Kuchler-Huhn Co., Inc.	Extended service test underway.	JBL
B-1494 B	-- S39/L5	5-23-39 (5-1-Ds)	Insul., block, molded asbes. UNIBESTOS- Union Asbestos & Rubber Co.	Underway. Partial rep. sub.	JGO
B-1496 B	-- JJ33/L5	5-26-39 (5-22-Ds)	Pack., valve stem, square braided- The Darcoid Co.	Underway.	JGO
B-1500 B	-- JJ41/L5	6-13-39 (6-2-Ds)	Tool, silver brazing, for Cu & Cu-Ni alloy tubes.	Underway 60%	WCS
B-1506 B	\$ 125.00 JJ33/L5	6-21-39 (6-12-Ds)	Pack., asb. high pres. rod- Asbes. Fibre Spinning Co.	Underway. Partial rep. sub.	JGO
B-1517 B	-- S48-23	6-27-39 (5-5-Ds)	Valves, boiler blow-off- L.J. Bordo Co., Inc.	Matl. not recd.	JBL
B-1524 A	-- S41-5	6-28-39 (6-27-Dq)	Liners, cyl., chromium- plated, Diesel engine- Van der Horst Process.	4306 hrs. on 5474 engine.	WFS
B-1532 A	-- JJ7-6/L5	6-26-38 (6-13-S)	Fuel, safety-from Phillips Petr. Co., sub. by Bu. Aero.	Recommended for cancellation.	JGO
B-1542 B	-- JJ46-6/L5	6-24-39 (3-15-Ds)	Alloy, alum. cast.- Nat'l Bronze & Alum. Fdry. Co.	Prelim. rep. made. Continuing.	WCS
B-1550 B	-- S-6046(S)	6-21-39 (S) AB	Compd., rust prev., Type C- Approval tests- The Far- rar Indus. Products Co.	Recommended for cancellation.	JGO
B-1558 A	-- JJ46/L5	7-10-39 (6-15-Ds)	Alloy, silver brazing, Easy- Flo #3- Handy & Harman.	Prelim. rep. made. Continuing.	WCS
B-1576 B	-- S48-24/L5	7-11-39 (6-30-Ds)	Valves, plug, for boiler blow-off & feedwater serv.- Barrett Mach. Co.	Underway 65%	JBL
B-1583 B	-- JJ14/L5	7-14-39 (7-8-Ds)	Oil, lub., SUPERSOLV Lub. Ad & Top Oil "D"- Portable Plating & Equip. Co.	3 CFR eng. tests 374 hrs.; 1 DD eng. test 265 hrs.-Wk. Factor compl.	WFS

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B-1267 B	-- JJ43/L5 (4-19-Ds)	4-20-39	Bolts, threaded- Deter. of strength of- NDS 43B11.	Report being	WCS
B-1284 B	-- S41-3/S82/L5(4-22-Ds)	4-24-39	Engine mountings, Goodrich Rubr. Co.-Suit. test.	95% compl. Await. use of 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-1304 A	-- L5/NP16 (11-14-Ds)	11-25-24	Tubes, piston cooling- Cause of failure of HOR S/M Engine.	Report being typed.	WFJ
B-1329 B	-- S39/L5(3-6-Ds)	3-28-39	Insul., pipe cov., #60 & #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	\$ 75.00 S39/L5 (3-24-Ds)	4-10-39	Insul., cement, Enduro-Ehret Magnesia Mfg. Co.	Report in prep. 15 Oct.	JGO
B-1342 A	-- S41-3/S82(4-20-Dq)	4-22-39	Cyl. head, Lanova 1-lobe - Test with & without supercharging & deter. most suit. type supercharger for DD powerboat Diesels.	Endurance test 72% compl.- 719 hrs.	WFJ
B-1343 A	-- S41-3/S82(4-20-Dq)	4-22-39	Cyl. head, Lanova 1-lobe - Test with & without supercharg. & deter. most suit. type supercharger for DA powerboat Diesel engines.	Cold start. tests compl.- Reliability test 54% compl. 534 hrs. Prelim. rep. subm.	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 T sub. Continuing.	JGO
B-1388 B	-- JJ33/L5(5-11-Ds)	5-17-39	Pack., plas. metal., coil form, metal. foil jacket, Sea-Ro armored Nck Seal Style 501- Sea-Ro Pk. Co.	Underway. Partial rep. sub.	JGO

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B-1089 9	-- S41-3/S82(7-22-Yo)	8-2-38	Engine, Diesel powerboat, Norfolk type- Serv. test of rubber mounting.	Test compl. Report 50%.	WFJ
B-1095 B	-- DD287/351(7-24-Ds)	8-20-26	Tubcs, from #13 boiler U.S.S. SARA TOGA.	Report in prep.	WCS
B-1126 B	-- A5-7/DD (10-28-Yh)	11-30-38	Tube, boiler, failed- USS LA SON- Examination of.	Report in prep.	WCS
B-1144 B	85.00 S87(A)/L5(1-10-Ds)	3-3-39	Thermom. dist. read. dial- Thomas A. Edison, Inc.	Prelim. report sub.	JBL
B-1146 B	-- JJ33/L5(11-19-Ds)	12-13-37	Pack., comp. asbes. sheet- with neoprene binders- sub. by various mfrs.	Report A sub. Pop. B in prep.	JGO
B-1156 B	-- JJ14/L5 (9-3-Ds)	2-28-39	Comp., anti-seize, ORBA Brand- E.L. Orndorff.	Underway.	JGO
B-1158 A	-- S56-5 (3-7-Ds)	3-9-39	Feedwater, 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.	New samples to be submitted.	JGO
B-1180 B	-- S43-2/L5 (2-16-Ds)	3-13-39	Bearing strips, RYERTEX phenolic brand- Joseph T. Ryerson & Son, Inc.	Test underway	JBL
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.	Report in prep.	JBL
B-1225 B	-- QP/Welding/L5(2-23-Ds)	4-5-39	Welding of carbon and C-Mn steels.	Matl. recd.	BR
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-1251 A	-- JJ6-5/L5 (6-13-S)	6-26-37	Oil- Fluids, hydraulic- Analysis of- Bu. Aero.	Report B sub.	JGO
B-1264 B	-- JJ46/L5(3-28-Ds)	4-13-39	Tube, condenser- Chase 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

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B-860 B	-- S92/L5 (8-15-Ds)	11-22-38	Joints- Inves. of avail. means of silver brazing in restricted locations.	Report sub.	DR
B-872 A	-- S41-5 (11-29-Ds)	12-7-38	Water- Treat. of in closed cooling sys. with chromates.	Underway.	JGO
B-886 B	-- JJ33/L5 (10-12-Ds)	10-14-38	Pack., cond. tube, copper foil- Various mfrs.	Report in prep.	JGO
B-908 B	\$ 400.00 S47/L5 (11-15-Ds)	12-16-38	Pump, rotary gear, for M1 & M1- Schutte & Koerting.	Exhibitor making modifications.	JBL
B-934 B	\$ 125.00 S39/L5 (12-21-Ds)	12-27-38	Insul., Super Unibestos- Union Asbes. & Rubber Co.	Underway.	JGO
B-958 B	-- S45-3/L5 (11-25-Ds)	12-7-38	Purifiers, oil, for Diesel eng. lub. oils- Determine effect & suitability of- Youngstown Miller Co.	Prelim. rep. 2/8/40 Rep. B 4/12/40. Final rep. C to be sub. 1 Oct.	WFJ
B-967 B	-- JJ46/L5 (8-12-Ds)	1-5-39	Metal- Ni-Al-Bronze - Chase Brass & Copper Co.	Underway 85%	WCS
B-969 B	-- QP/Welding (12-7-Ds)	12-28-38	Weld- Carb-Molyb. Steel- stem pipe- Proc. appr. test Boilers- NYds, Phila., N.Y., Norfolk, Pug. Sd. & Mare Isl.	Retest of samp. from NYd, Norfolk. Report made.	(WCS) (BR)
B-979 AAB	-- S48-24/L5 (11-30-Ds)	1-9-39	Valves, 2" weld-end, 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 (12-28-Ds)	1-16-39	Weld- Qual. tests of GE Co. W52 & W54 electrodes for Cl. A&B C-Mo electrodes.	Report submitted	ER
B-999 B	-- JJ33/L5 (10-17-Ds)	1-11-39	Packing, flex. metallic- Twistallic- E.M. Thompson	Underway.	JGO
B-1016 B	-- S39/L5 (4-19-Ds)	4-23-38	Insul., Blanket, turbine- Fiberglass brand- Owens-Corning Fiberglass Corp.	Underway.	JGO
B-1017 B	-- L5/NP16 (11-14-Ds)	11-25-24	Tubes, boiler- Condition of- USS TULSA.	Report in prep.	WCS
B-1063 B	-- JJ33/L5 (6-28-Ds)	7-5-38	Pack., flex. met.- Carlock Styles 5347 & 5348 - Carlock Packing Co.	Underway.	JGO
B-1075 B	-- JJ45-1/L5 (12-1-Ds)	1-23-39	Metals, bolt matl.- Dueng. Spec. 43914 (INT), 12/1/38- Inter. Nickel Co., Inc.	Matl. not recd.	WCS

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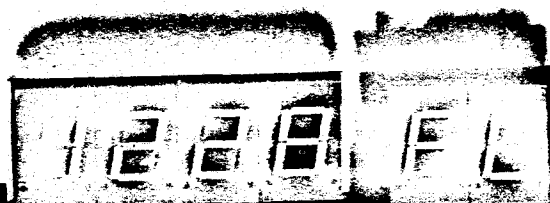
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U.S. Naval Engineering Experiment Station - Monthly report of tests - Sept. 1940. File # NP16/L5.			

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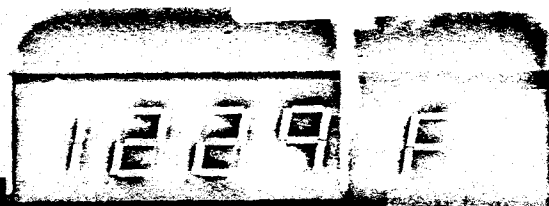


U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

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B-375 B	-- Reqn. ENG/2/79601	5-4-38	Evaporators, Kleinschmidt vapor compression type distilling plant.	Exhib. making chgs. in compressor.	JBL
B-386 B	\$ 200.00 S41-3/S82/L5(5-16-Ds)	6-8-38	Couplings, flex.- Thomas Flexible Coupling Co.	Lab. test completed. Arranging serv. test	JBL
B-398 A	-- S39/L5 (12-18-Ds)	12-27-37	Insul., cement, water-proof coat.-INSULKOTE & EAGLE IN- SULSEAL- J. Manville Sales Corp. & Eagle-Picher Co.	Report in prep.	JGO
B-399 B	-- QP/Welding/L5(6-7-Ds)	6-24-38	Welding-Elbow fittings- Suit. test of- Taylor Forge & Pipe Works.	Test underway. Await. add. matl.	BR
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.	BR
B-402 B	-- JJ33/L5(4-15-Ds)	6-18-38	Pack., gaskets, spiral wd. metal. ashes.- Azor Corp.	Underway.	JGO
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.	JBL
B-432 B	-- S48-24(R)/L5(6-17-Ds)	6-28-38	Valves, reduc.- O.C. Keckley Co., Inc.	Exhib. making changes.	JBL
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. ashes. jacket- The Allpax Co., Inc.	Underway.	JGO
B-466 B	Reopened S39/L5(1-30-Ds)	2-4-39	Insulation, Rockwool, im- proved TUCORUL- Tuco Co.	Underway.	JGO
B-485 B	-- S48-23(R)/L5(6-21-Ds)	7-15-38	Valves, pres. reducing- Atlas Valve Co.	Report A sub.	JBI
B-490 B	-- QP/Welding/L5(6-29-Ds)	7-19-38	Weld. electrodes, Phos-Br. Edco Process- Eccles & Davies Lachy Co.	50% completed. Recommended for cancellation.	BR
B-494 B	-- JJ33P5(1-17-Ds)	1-20-38	Insul., pipe covering- Rockwool- NDS 32P5c of 12/1/37- Revision of.	Underway. Recommended for cancellation.	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

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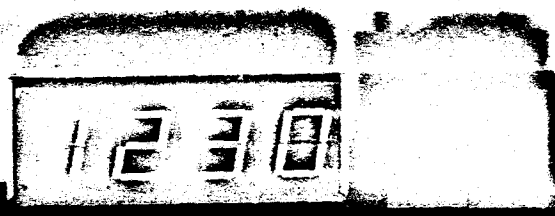


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B-108 B	-- JJ7-3/L5(12-3-Ds)	3-15-38	Pumps, f.o.- Effect of low viscosity on capacity.	Underway as oppor.permits.	JPL
B-146 B	-- QP/Welding/L5(3-31-Ds)	4-2-38	Weld- Effects of arc length on properties of Ni-Cu alloy and pure nickel.	Completed Report in writing.	BR
B-161 B	-- JJ33/L5 (3-2-Ds)	4-7-38	Pack., valve stem, QP self-setting- Q-P Signal Co.	Underway.	JGO
B-186 B	-- QP/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.	Bh
B-190 B	-- JJ33/L5 (4-5-Ds)	4-13-38	Pack., plastic met. Type C&R NDS 33P25a- 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 EPSN excess pres.gov. Foster Engineering Co.	Report A made. Continuing.	JBL
B-245 B	Reopened JJ14/L5(1-30-Ds)	10-1-39	Compd. for prev. for ring sticking in Diesel engs. Various manufacturers.	Report A sub. Recommended for cancellation.	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
B-277 A	-- S41-5/L5 (2-2-Ds)	2-4-37	Liner, cyl.-Devel. of & test satis. type for Winton 8x10 Diesel eng.-Reduce oil consump.	Rep. 30% compl.	WJ
B-278 B	-- JJ33/L5(5-2-Ds)	5-7-38	Pack., plas. non-graphitic Various manufacturers.	Underway. Partial rep.sub.	JGO
B-280 B	-- S39/L5 (4-22-Ds)	4-30-38	Insul., 85% magnesia, formed flange covers- Plant Rubber & Asb. Wks.	Report in prep.	JGO
B-288 B	-- JJ46/L5 (5-3-Ds)	5-14-38	Weld- Suit. test of hard-facing rods #10 for gas weld. & #110 for elec. arc weld.-Coast Metals, Inc.	Report in printing	BR
B-298 B	-- JJ46-1/L5(4-13-Ds)	5-13-38	Metals- Creep test of, ferrous- Tinken Co.	Underway 65%. Weld. test underway. Matl. rep. in T-2668	WCS
B-300 B	-- S43-2/L5 (4-3-Ds)	5-18-38	Bearing matl.- The Amer. Brake Shoe & Foundry Co.	Continuing.	JBL
B-343 B	-- JJ33/L5(5-3-Ds)	5-25-38	Pack., semi-metallic, Sym. 1400- Union Asb. & Rubr. Co.	Underway.	JGO

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**NAVAL ENGINEERING EXPERIMENT STATION
ANNAPOLIS, MARYLAND**

REPORT OF TESTS FOR MONTH ENDING 30 September 1940

9803 B	\$ 85.00 S87(A)/L5 (11-12-Ds)	12-9-37	Thermometer, dist. reading dial- U.S. Gage Co.	Improved thermom. to be submitted.	JBL
9834 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 8x10 S/K Diesel for suit.	Cancellation recommended.	WJF
9865 B	-- L1-2/WP16 (8-2-D1)	12-3-37	Piping, valves, fittings & joints for use with Freon refrigerant- Inves. of.	Report B sub. Continuing.	JBL
9870 B	-- Aer-E-46-ETC, JJ7G1, ET18	1-3-38	Fuels, avia.- Copperative test for knock rating.	No samples recd. Recom. for cancell.	JGO
9898 B	-- S47/L5-2(12-10-Dx)	12-31-37	Seals, rotary pump and turbine shafts- Inves., 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 80%.	WCS
9977 B	-- S44 (1-21-Ds)	2-10-38	Welding of manganese- bronze propellers.	85% completed. Continued.	BR
R-6 B	-- JJ32/L5 (9-16-Ds)	9-22-37	Insul., cement, hard-finish Prep. by EES- Var. mfrs.	Report in prep. 1 Nov.	JGO
B-7 B	\$ 175.00 JJ33/L5(12-29-Ds) 1-21-38 JJ33/L5(12-29-Ds)	1-4-38	Pack., Sea-Ro Nek-Seal, Style 5051 & Sea-Ro Super- heat Spiral Style 503- Sea-Ro Packing Co., Inc.	Report C sub. Indefinite.	JGO
B-10 B	-- JJ38/L5(11-26-Ds)	12-1-37	Insul., cement, Plant 600 & Coverkote brands- Plant Rubber & Asbestos Works.	Underway Rep. A in prep. 1 Nov.	JGO
B-32 B	-- S72-2(V) (2-1-Ds)	2-21-38	Insul., 85% magnesia pipe covering- Comparative tests of various brands.	Report in prep. 15 Oct.	JGO
B-42 B	-- JJ/Solder(2-23-Ds)	2-28-38	Solder, silver, medium temp. (Cadmium silver)	Underway 50%	WCS
B-61 A	-- SS182-4/S41(1-21-Ds)	1-29-38	Noise elim.-Subm. main propul. plants- Sd. Anal.	Rep. D in prep. Continuing.	JBL
B-84 B	-- S39/L5 (2-14-Ds)	2-21-38	Insul., Rockwool blanket, pipe covering No. 100- Baldwin-Hill Company.	Underway.	JGO

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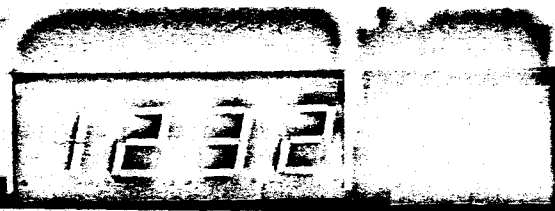
Report of tests for month ending 30 September 1940

9372 A	-- S48/L5 (4-29-Ds)	7-23-37	Piping- Erosive effect superheated steam on.	Prelim.rep.made. Final samp.cont'g.	WCS
9386 B	-- JJ33/L5 (6-21-Ds)	7-10-37	Pack. for corros-resist. steel shafts- U.S. Steel Corp., Research Lab.	Report in prep.	JBO
9421 B	-- S51 (6-25-Dh)	7-6-37	Tubes, boiler- Failures- Misc. samples from Bueng.	Indefinite.	WCS
9443 B	-- JJ33/L5 (7-28-Ds)	5-4-37	Pack. plas.met.Sym.1432- & 1434- Anchor Pack.Co.	Underway. Indef. Partial rep.sub.	JGO
9550 B	-- JJ14/L5 (9-10-Ds)	9-10-37	Grease, lubrication - Investigation of.	Underway. Indefinite.	JGO
9562 B	Reopened S48-24/L5 (7-5-Ds)	10-25-39	Valves, plug, for fuel oil & feedwater services - Homestead Valve Mfg.Co.	Stm.valves ret'd to factory for modification.	JBL
9564 A	-- S62-2(V)/L5(9-3-Ds)	9-24-37	Bearings, Micarta- Westinghouse E&M Co.	Add.tests to be made. Prelim.rep.sub.	JBL
9594 B	-- QP/Welding/L5(9-14-Ds)	8-27-37	Weld-CRS to Bronze- Proc. approv.test- NYd, Phila.	Matl.not recd.	(WCS BR)
9598 B	-- QP/Welding/L5(9-14-Ds)	9-27-37	Weld-Brass to Med.Steel- Proc.appr.test- NYd, Phila.	Matl.not recd.	(WCS BR)
9604 A	--	Oral	Gears, reduction - Noise tests on ships.	Rep.9604-25 sub. Continuing.	JBL
9659 B	-- S45-1/L5 (5-7-Ds)	10-1-37	Oil, lub., on Winton 100-kw emerg.act-SOMERS- Samples from serv.test of Skinner PE-7 streamline filter.	Recommended for cancellation.	JGO
9686 B	-- S39/L5 (10-6-Ds)	10-20-37	Insul., pipe & flg.covers- Unibestos- Union Asbestos & Rubber Co.	Final rep.in prep.- 1 Nov.	JGO
9703 B	-- S39/L5(10-20-Ds)	11-8-37	Insul., glass wool, for in- takes, boilers & 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.	Formal rep.made. Continuing.	WCS
9734 B	-- QP/Welding/L5(11-13-Ds)	11-17-37	Welding- Weldability of iron alloys.	70% completed.	BR
9790 B	-- QP/Welding/L5(11-30-Ds)	12-6-37	Weld- Inves.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.	BR

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9006 B	-- QP/Welding/L5(4-20-Ds)	5-1-37	Joints,welded- Inves.of in fuselage of Mod.SOC-1 Airplane 9965- Bu.Aero.	Rep.in prep.	WCS
9027 B	-- QP/Welding (4-19-Ds)	4-20-37	Weld- Inves.of effect of heat-treatment on welded brass & bronze structures.	50% completed.	BR
9030 C	-- S56-1/L5(10-19-Ds)	4-20-37	Feedwater- Effect of vent. feed lines on reduction of dissolved oxygen content.	Not yet underway.	JGO
9105 B	-- JJ14/L5 (5-11-Ds)	5-5-37	Corros- Reduc.of in closed cooling sys.-Diesel eng.- using water-soluble oil.	Rep.C sub. Continuing.	JGO
9116 B	-- S48-24/L5(3-4-Ds)	4-2-37	Valve,with integral stel- lited seat- Consolidated Ashcroft-Hancock Co.	Pressure drop & steam tests undwy.	WCS
9117 A	-- S48/L5 (5-14-Ds)	5-17-37	Piping, high pressure steam-Repair & upkeep- Forces Afloat.	Underway 85%. Weld. inves.of pipes above 2" IPS under T-9176.	WCS
9176 AAB	-- QP/Welding/L5(5-25-Ds)	5-28-37	Weld- Thick-walled tubing C-C-Mo & Cr-Mo to deter. proper welding technique.	Reports B&C sub. Rep.D underway.	BR
9224 B	-- QP/Welding(6-8-Ds)	6-19-37	Weld- Thin-walled tubing- Requir.for prox.of weld. jts.to bulkhds.& decks.	Continuing. Report in prep.	BR
9240 B	-- JJ33/L5 (4-28-Ds)	5-4-37	Packing,sterm tube- Garlock Packing Co.	Rep.A sub. Final rep.in prep.	JGO
9315 B	-- JJ46-1/L6(6-29-Ds)	7-6-37	Castings,H-W molybdenum- chrome-nickel steel - The Lunkenheimer Co.	Underway 50%	CS
9323 B	-- QP/Welding(6-24-Ds)	7-9-37	Weld- Unionmelt process- Linde Air Products Co.	Boiler weld rep.'d Fillet weld undwy.	WCS
9326 A	-- QB/L2 (6-18-Ds)	7-10-37	Feedwater,boiler- Inves. to improve deaeration of.	Final report in prep.	JBL
9328 A	-- Acr-M2-61-MW,JJ14G1	7-9-37	Lubricants,proprietary- Classification of.	Report I sub.	JGO
9337 B	\$ 367.67 S39/L5(5-26-Ds)	7-8-37	Insul.,high temp.block, #121 & Pipe Covering - F.E. Schundler Co.	Underway.	JGO
9360 B	-- QP/Welding/L5(5-21-Ds)	7-19-37	Weld- Inves.of silver bear- non-ferrous rods & electr. Amer.Silver Prod.Res.Proj.	Test 80% compl.	BR

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8739 B	-- JJ33/L5 (11-27-Ds)	12-30-36	Pack., Gaskets- Pressure- filled- Wills Gasket, Ltd.	Temporarily disct'd Await. new samples.	JGO
8764 B	-- JJ33/L5 (10-23-Ds)	12-7-36	Pack., valve stem, high prcs.- J. Crane Superseal #6AM- Crane Packing Co.	Report A sub. Final rep. in prep.	JGO
8778 B	-- JJ33/L5 (12-22-Ds)	1-16-37	Pack., asb. high pres. rod- Helios 303- Crandall Pk. Co.	Report A sub. Final rep. in prep.	JGO
8783 A	-- S41-3/S82/L5 (4-6-Ds)	4-8-37	Engines, Diesel power- boat- Calibration of.	Rep. C being reviewed.	WFJ
8833 B	-- JJ33/L5 (2-9-Ds)	2-10-37	Pack., Sym. 1104- Tests of Determine max. & minimum lubrication required.	Report in prep. 1 November.	JGO
8865 B	-- QP/L5 (12-17-Ds)	2-20-37	Tubes, condenser- Tests in experimental condensers.	Extended inves.- Cond. WCS reinstalled- Undwy.	
8866 B	-- JJ33/L5 (12-22-Ds)	1-13-37	Pack., Gaskets, manhole- 555 Guardian brand- Garlock Packing Co.	Underway.	JGO
8867 B	-- JJ33/L5 (12-22-Ds)	1-12-37	Pack., plas. metal. & non- metal. Sym. 1106, 1107 and 1434- Garlock Pack. Co.	Underway. Indef. Partial rep. sub.	JGO
8868 B	\$ 125.00 JJ33/L5 (12-22-Ds)	1-13-37	Pack., plas. met. Sym. 1432 & 1433- Garlock Pack. Co.	Underway. Indef. Report A sub.	JGO
8906 B	-- S46-5/L5 (1-11-Ds)	3-8-37	Condenser- Estab. improved design by exper. tests in ord. to prev. tube failure.	Reps. A-N sub. Continuing.	WCS
8912 B	\$ 125.00 JJ33/L5 (3-3-Ds)	3-13-37	Pack., semi-met. Sym. 1400- Style 7305- Garlock Pk. Co.	Underway. Indef. Report A sub.	JGO
8935 A	-- S62-2(H)/L5 (1-26-Ds)	2-15-37	Pack., plas. stuffing tube- JM Style MX-2054- Johns Manville Sales Corp.	New sample to be submitted.	JGO
8936 B	-- JJ33/L5 (12-22-Ds)	2-19-37	Pack., asb. high pres. rod- Belmont Pack. & Rubber Co.	Rep. A sub. Final report in prep.	JGO
8959 B	-- Aer-E-46-MH, JJ14	2-12-37	Oils, lub., avia., Compar. of used oils- Extend. & short range flights- BYY-1 planes Aircraft, Base Force.	Recommended for cancellation.	JGO
9002 B	-- Aer-E-46-MH, JJ7-4	4-1-37	Fuels, Diesel, Aircraft- Investigation of.	Carbide compl. Report 25% compl.	WFJ
9005 B	-- QB/L2 (1-30-Ds)	4-12-37	Flanges, with ring joint facings.	Underway.	WCS

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7781 A	\$ 958.20 S47/L5 (1-16-Ds)	1-24-35	Governors, pump, constant & excess pressure types- Foster Engineering Co.	Continuing. Waiting resub.	JBL
7816 B	-- S-7160(2-11-Ds)	2-12-36	Welding- Approval test of nickel electrodes.	Report B underway.	BR
7818 B	-- S-7166(2-11-Ds)	2-12-36	Welding- Approval test of aluminum electrodes.	Report A made. Continuing.	BR
7851 B	-- S48-23/L5(2-14-Ds)	2-19-36	Connec., flex. bulkhead- for steam piping - Foster-Wheeler Corp.	Await. 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 additional temps. underway.	WCS
8089 A	-- S48-24(R)/L5(3-21-Ds)	5-8-36	Valves, pres. reducing- Operation of in series.	Underway 50%. Indefinite.	JBL
8103 A	-- S46-23(5-14-Ds)	5-14-36	Joints, pipe- Maintaining tightness with steam at 600#, 750°F. temperature.	Rep. C made. Recom. continuing along diff. lines.	WCS
3181 B	-- QP/Welding(11-25-Ds)	6-12-36	Welding- Scale-resist. alloy 25% Cr-20% Ni- Proc. approv. test- NYd, Mare Island.	Matl. not recd.	(WCS (BR)
8212 B	-- JJ33/L5 (6-12-Ds)	6-19-36	Packing, flex. metallic, Style 360- J.H. Corp.	Underway. Indef. Report in prep.	JGO
3428 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 (26% 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 (BR)
8561 B	-- CA37/S48 (6-20-Ds)	10-27-36	Pack., compressed asbes. sheet- Inves. to develop meth. of test- Var. exhib.	Underway. Indefinite.	JGO
8562 B	-- S41-3(S)(10-16-Ds)	10-27-36	Spark plugs; Deter. of pre-ignition rating of	Report in prep.	JBL
8732 B	-- S39/L5 (10-26-Ds)	11-12-36	Pack., asb. cloth, plain & wire reinforced- Var. mfrs.	Report in prep.	JGO

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DOCUMENT REQUEST FORM		INITIALS	DATE
		WFS	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160 Box 3/15	DC000681	54	2
DESCRIPTION			
U.S. Naval Engineering Experiment Station.. Monthly report of tests- Sept. 1940. File # NP16/L5.			

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Annapolis, Maryland

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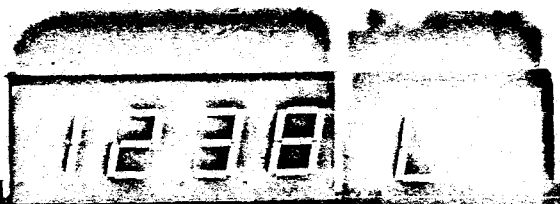
<u>Test No.</u>	<u>Sept.</u>
B-3081 JGO	4 Grease, graphite- Adqn. B-600-463, Item 1- for MAS, Norfolk, Va.- The Grodag Corp., mfr.- Acceptance recommended.
B-3087-A JBL	9 Phila. NYd. Ord. 86507- Valves, pressure reducing for USS PR. IREI- O.C. Keckley Co., mfr.- Acceptance recommended.
B-3087-B JBL	12 Valve, reducing, Cont. NOS-73335 for USS WASHINGTON & N. CAROLINA- O.C. Keckley Co., mfr.- Acceptance recommended.
B-3087-C JBL	19 New York Regn. 1-16870/40- Pressure reducing valves for Brooklyn NYd.- O.C. Keckley Co., mfr.- Acceptance recommended.
B-3087-D JBL	24 Cont. N220s-171169- Pressure reducing valves for NYd, Mare Isl.- O.C. Keckley Co., mfr.- Rejection recommended.
B-3088 WCS	5 Ords. 83434 & 83435- Eric Forge Co. forgings 6426-F1 & 64270-F1- main shaft for Farrel-Birmingham Co., Inc.- Acceptance recommended.
B-3089 JBL	18 Meter, hot water, for USS YORKTOWN- Cont. N251s-61235- Buffalo Meter Co., contr.- Acceptance recommended.
B-3090 JGO	4 Packing, braided asb. rod- Ord. 22161-4- Northern Pump Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3091 JGO	5 Packing, plant fibre sheet for AVP12-13- Ords. 847011- NOD-1366 and 837046, NOD-1267- Fairbanks, Morse & Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3091-B JGO	5 Packing, plant fibre sheet for AVP12-13 and AVP21-22- Ord. 837033, Cont. NOD-1267 and 847024, Cont. NOD-1366- Fairbanks, Morse & Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3091-C JGO	5 Packing, plant fibresheet for AVP12-13, Ord. 837045, Cont. NOD-1267 & 847012, Cont. NOD-1366- Fairbanks, Morse & Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3092 JGO	16 Lub. oil- Sample of brake magnet oil furnished by Otis Elevator Co., No recommendations.
B-3095-A WCS	10 Ord. 423-61- Camden Forge Co. forging 475- Shafting for New York SB Corp.- Acceptance recommended.
B-3095-B WCS	13 Ord. 423-61- Camden Forge Co. forging 929- Intermediate shaft for New York SB Corp.- Acceptance recommended.
B-3095-C WCS	13 Ord. 423-61- Camden Forge Co. forging 927- Intermediate shaft for New York Shipbldg. Corp.- Acceptance recommended.
B-3095-D WCS	19 Ord. 423-61- Camden Forge Co. forging 759- Propeller shaft for New York SB Corp.- Acceptance recommended.



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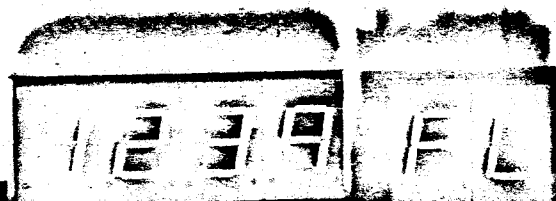
<u>Test No.</u>	<u>Sept.</u>	
B-3095-E WCS	20	Ord.423-61- Candon Forge Co.forging 760- Propeller shaft for New York Shipbldg.Corp.- See report for recommendation.
B-3095-F WCS	20	Ord.423-61- Candon Forge Co.forging 989- Line shafts for New York Shipbldg.Corp.- Acceptance recommended.
B-3095-G WCS	20	Ord.423-61- Candon Forge Co.forging 990- Line shaft for New York Shipbldg.Corp.- Acceptance recommended.
B-3096-A WCS	9	Falk Corp.PO 2691- A.Finkl & Sons Co.forging 2C1438-C5- Gear wheel for DD463-94-Acceptance recommended.
B-3096-B WCS	18	Falk Corp.PO 2691-A.Finkl & Sons Co.forging 1-B688-B9- Gear shafts for DD463-64- Acceptance recommended.
B-3096-C WCS	20	Falk Corp.PO 2691- A.Finkl & Sons Co.forging 1-B688-B10- Gear shaft for DD463-64- Acceptance recommended.
B-3096-D WCS	25	Falk Corp.PO 2691- A.Finkl & Sons Co.forging C-2878-13-14- Pinions for DD463-64- Acceptance recommended.
B-3096-E WCS	25	Falk Corp.PO 2691- A.Finkl & Sons Co.forging C-2965-10-11- Pinion shaft for DD463-64- Acceptance recommended.
B-3097 JGO	26	Compound, joint - thread, high temp.-Copolite- Liquid form- Cont. 67531- National Engineering Products, mfr.- Rejection recommended.
B-3098 JGO	13	Diesel fuel- General Motors Corp.P.O.4606- Samples from Lot 1 and furnished by Allied Oil Co. - No recommendations.
B-3099 JGO	4	Insulation, pipe covering, molded asbes.- Cont.NOs-75478, for USS WILKES- Union Asbestos & Rubber Co., contr. & mfr.- Accept.recom.
B-3100 JGO	3	Packing, flexible metallic- Ord.701-470-E-1479-Beth.Steel Co., contr Crane Packing Co., mfr.- Acceptance recommended.
B-3101 WCS	3	G.E.Co.Ord.SW-487412-424- Beth.Steel Co.forging 29A638C2- 1100 hp turbine rotor- Acceptance recommended.
B-3101-B WCS	13	General Elec.Co.Olds.SW-487412-424- Beth.Steel Co.forging 29A-638-31- 1100 hp turbine rotor, cruising- Acceptance recommended.
B-3101-C WCS	13	General Elec.Co.Ord.SW-487412-424- Beth.Steel Co.forging 29A638D2-1100-hp turbine rotor- Acceptance recommended.
B-3101-D WCS	13	General Elec.Co.Olds.SW-487412-424- Beth.Steel Co.forging 29A638E2- 1100 hp turbine rotor- Acceptance recommended.
B-3101-E WCS	18	General Elec.Co.Olds.SW-487412-424- Beth.Steel Co.forging 29A638E1- 1100 hp turbine rotor- Acceptance recommended.



DOCUMENT REQUEST FORM			INITIALS	DATE
			WEJ	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES	
A-62A2160 Box 3/15	DC000681	55	2	
DESCRIPTION U.S. Naval Engineering Experiment Station - Monthly report of tests - Sept. 1940 File # NP16/L5.				

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<u>Test No.</u>	<u>Sept.</u>
B-3103-M WCS	27 Falk Corp. PO 2683- A. Finkl & Sons Co. forging C-2965-19- 1st rod. pinions for DD463-64- Acceptance recommended.
B-3103-N WCS	27 Falk Corp. PO 2683- A. Finkl & Sons Co. forging C-2965-12- L.P. pinion for DD463-64- Acceptance recommended.
B-3103-O WCS	27 Falk Corp. PO 2683- A. Finkl & Sons Co. forging C-2965-18- H.P. pinions for DD463-64- Acceptance recommended.
B-3105 JGO	13 Lubricating oil- Samples of new & used from various Winton engines of the USS SEARAVEN- No recommendations.
B-3106 JGO	12 Reqn. 1-154-S- Solutions, boiler water, testing- Nitric acid, 2N, Class A, for NSD, Norfolk, Va.- Palo-Kyros, Inc., contr.- Acceptance recommended.
B-3108 JGO	10 Compound, rust prev.- Monslick- Norusto "A" for NYd, Portsmouth, NH Reqn. 172-, Cont. N102s-30153- Fisko Bros. Ref. Co., mfr.- Acceptance recommended.
B-3109 JGO	12 Cont. N251s-60835- Gauge glasses for Puget Sound- Corning Glass Works, mfr.- Acceptance recommended.
B-3110 JGO	10 Orders 1750 & 1751- Asbestos cloth and twine- Union Asbestos & Rubber Co., mfr.- Acceptance recommended.
B-3110-B JGO	19 Order 1751- Asbestos cloth- Union Asbestos & Rubber Co., mfr.- Acceptance recommended.
B-3112 JGO	10 Packing, braided asbestos rod- Ord. 35568- General Elec. Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3113 JGO	11 Packing, flax, for CL51-52- Ord. 168-1053- Federal S3 & ID Co., contr. Garlock Packing Co., mfr.- Acceptance recommended.
B-3114 JGO	11 Packing, comp. asbes. sheet for CL51-52- Ords. 168-1052 and 168-1053- Federal SE&DD Co., contr.- Garlock Packing Co., mfr.- Acceptance recommended.
B-3115 JGO	18 Boiler feedwater- Test on sample for USS CHARLES F. HUGHES (DD428) No recommendations.
B-3116 JGO	18 Lub. oil & Diesel fuel- Samples of oil used in trial runs of Y.M. Tug #139- Acceptance recommended.
B-3117 JGO	15 KHEELE - Proposed boiler feedwater - Analysis of - No recommendations.
B-3118 JGO	12 Fuel oil for Power Plant, USNA- Cont. 73908- Standard Oil Co., contr. No recommendations.
B-3119 JGO	17 Lubricant-Ball bearing, medium grade B- Reqn. 1-2233/41- Master Lubricants Co., mfr.- Acceptance recommended.

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<u>Test No.</u>	<u>Sept.</u>
B-3120 JGO	12 Ord.G-32052-2,G-32119-2, G-31901-80,G-31901-79-Compressed asbes. sheet packing for various NYds.- Durabla kfg.Co.,mfr.- Acceptance recommended.
B-3121 JGO	13 Ord.22529-A- Packing,braided asbes.rod- Northern Pump Co.,contr.- Garlock PackingCo.,contr.- Acceptance recommended.
B-3122 JGO	13 Ord.NOs-837046,N0d-1267 and 847011,N0d-1366- plant fiber sheet packing for AV12-13 and AV121-22-Garlock Packing Co.,mfr. - Acceptance recommended.
B-3123 JGO	12 Packing,flax,for DD437-38- Ord.820-40-54- Bath Iron Works Corp., contr.- Garlock Packing Co.,mfr.-Acceptance recommended.
B-3124 JGO	12 Packing,braided asbes.rod- Ord.22552-A- General Motors Corp.,contr Garlock Packing Co.,mfr.- Acceptance recommended.
B-3125 JGO	22 Packing,braided asbes.rod- Ord.22776-A- Cont.NOs-73128, Northern Pump Co.,contr.- Garlock Packing Co.,mfr.-Acceptance recommended.
B-3127-A WCS	13 Falk Corp.FO 2692- A.Finkl & Sons Co.forging 2C1438-C6- H.I. coupling hubs forDD463-64-Acceptance recommended.
B-3127-B WCS	19 Falk Corp.FO 2692- A.Finkl & Sons Co.forging 2C-1438-C3- Coupling sleeves for DD463-464- Acceptance recommended.
B-3127-C WCS	23 Falk Corp.FO 2692- A.Finkl & Sons Co.forging 2C-1438-C2- coupling sleeves forDD463-64-Acceptance recommended.
B-3127-D WCS	26 Falk Corp.FO 2692- A.Finkl & Sons Co.forging 2D-232-B3- L.I coupling for DD463-464- Acceptance recommended.
B-3129 JGO	18 Diesel fuel- General Motors Corp.F.O. 4761 furnished by Allied Oil Co.- Acceptance recommended.
B-3130 JGO	18 Diesel fuel- General Motors Corp.F.O. 4633 furnished by Standard OilCo.- Acceptance recommended.
B-3132 JGO	17 Packing,plant fiber sheet- Ords.860205-870056-870061- Fairbanks, Morse & Co.,contr.-Vollumoid Co.,mfr.- Acceptance recommended.
B-3133 JGO	17 Lub.oil and Diesel fuel- Samples for trials USS MAYO - Acceptance recommended.
B-3134 JGO	20 Lub.oil-Cont.N140s-83833- Rex brand hydraulic gear oil for Ordnance use for NYd,New York - Acceptance recommended.
B-3135 JGO	15 Cont.220s-170896- Semi-metallic packing for Mare Island- Union Asbes.& Rubber Co.,mfr.- Acceptance recommended.
B-3136 JGO	15 Navy boiler compd.1933- Ord.819-40-35 for Bath Iron Works Corp.- Conray Products Co.,mfr- Acceptance recommended.

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