

U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

NP16/A9-4/L5 (2)

DEC 13 1940

From: Director.
To: Bureau of Ships.
Via: Superintendent, U.S. Naval Academy.
Subject: Monthly Report of Tests - November 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 November 1940.

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

A. T. Church

CRMC-M&S-003719

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

SUMMARY OF REPORTS ASSIGNED AND SUBMITTED THIS MONTH

Inspection Tests

Tests brought forward from October 1940.....	212
Tests assigned	99
Tests reopened	2
Tests cancelled	0
Tests closed out	78
Tests remaining open	235
Reports submitted	277
Supplementary reports submitted	2
Total reports submitted	279

Other Tests

Tests brought forward from October 1940	465
Tests assigned	45
Tests reopened	0
Tests cancelled	3
Tests completed	34 473
Tests incomplete (listed in inclosure B)	466
Tests complete but held open awaiting financial adjustment (listed in inclosure B)	14
Tests assigned and completed during month and listed in inclosure B for record purposes	3 473
Reports submitted	26
Reports submitted on tests completed but held open awaiting financial adjustment	8
Reports submitted on tests assigned and completed during month ...	3
Supplementary reports submitted	26
Total reports submitted	63

Summary

Inspection reports submitted this month	279
Other " " " "	63
Total " " " "	342
" " " " fiscal year prior to this month.	1359
" " " " fiscal year	1701

NOTE:- Requests for copies of reports of tests should be submitted to the Bureau of Ships prior to the completion of the test.

INCLOSURE (A)

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

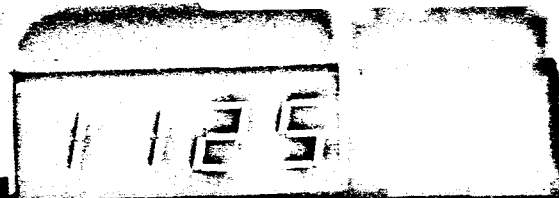
Serial number and prior-ity.	Amount of deposit by exhibitor, if any.	Date & No. of letter authorizing test.	Name of article or material tested. Name of firm submitting same.	Remarks on status and per cent of completion. Probable date of report of test.	Initial of Test Officer
B-3533 B	-- JJ52(1) (DYs4)	11-23-40	Paint, heat-resist., alum. Pratt & Lambert, Inc., mfr.	Arrangements for test underway.	JGO

TESTS COMPLETED AND REPORTS SUBMITTED

5188 8562 B-817 B-979 B-990 B-1264 B-1340 B-1927 B-2259 B-2440 B-2476
 B-2453 B-2574 B-2604 B-2643 B-2751 B-2768 B-2872 B-2953 B-2993 B-3144
 B-3209 B-3237 B-3253 B-3256 B-3257 B-3281 B-3334 B-3341 B-3342 B-3343
 B-3353 B-3354 B-3379

CANCELLED

B-2342 B-2841 B-3259



DOCUMENT REQUEST FORM		INITIALS	DATE
		WEJ	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
9-62A2160 Box 3/15	DC000681	30	1
DESCRIPTION			
U.S. Naval Engineering Experiment Station Monthly report of tests- Nov. 1940. File # NP16/L5			

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U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

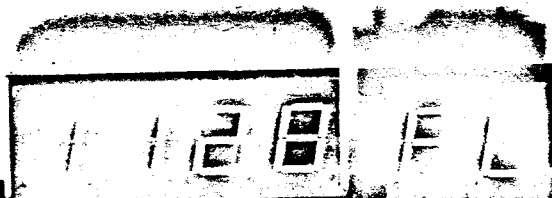
B-3355 A	-- DD287/SS1(7-24-Ds)	8-20-26	Pistons, exper., failed, X-2 type-Inspection of, from Winton 8 1/2x10 1/2 Diesel engine- USS SNAPPER.	Await. matl.	WFJ
B-3357 A	\$ 250.00 S47 (9-14-DYs-2)	10-24-40	Pump, Viking-for M2 & O2 services- Viking Pump Co.	Prelim. report made.	JBL
B-3358 A	-- Aer-E-431-RY, 1-1/2, JJ7G1 QM(4059)	10-17-40	Gasoline, Fuel, avia., Lead content of- Method for determ.-Cooperative tests.	Report & sub.	JGO
B-3359 A	\$ 100.00 Aer-E-431-RY, L2-5/JJ7	10-24-40	Gasoline, Fuel, aircraft eng- Type appr. tests of for conform. with Spec. AN- 9527, 9530, 9531- Richfield.	Compl. & Rep. Await. finan. adj.	JGO
B-3360 A	\$ 100.00 Aer-E-431-RY, L2-5/JJ7	10-24-40	Gasoline, fuel, aircraft eng- Type appr. tests of for conform. with Spec. AN- 9527, 9530, 9531- Sinclair.	Compl. & Rep. Await. finan. adj.	JGO
B-3361 B	-- JJ52(15) (DYs-4)	10-24-40	Comps., rust prev. Types B&C- H.D. Spec. 14-C4d- Gulf Oil Corp.	Matl. not recd.	JGO
B-3362 B	-- Aer-E-431-RY, JJ7G1 QM (6263)	10-21-40	Gasoline, fuel, avia. eng. Spec. AN-9530- Standard Oil Co. of Indiana.	Test held up at request of exhibitor.	JGO
B-3363 B	-- JJ52-(15) (9-4-DYs-4)	10-17-40	Compd., preservative-Used in laying up ships, NY Harb. 15 Dec.	Underway.	JGO
B-3366 B	-- QP/74C(2)(1)(Dw)(DYs)	10-23-40	Welding of Silicon-Bronze Investigation of.	Awaiting matl.	BR
B-3369 A	\$ 500.00 C-MOs-76673(10-15-DYs-2) C-S41-5	10-24-40	Crankshaft- for Martin Motors Diesel eng.- Cont. MOs-76673- Torsion tests.	Underway 25%	WCS
B-3371 A	-- L5/NP16 (11-14-Ds)	11-25-24	Welding process- Qual. of for weld. soot blower elements- Pug. Sd. NYd.	Underway 80%	(WCS BR)
B-3372 B	-- Aer-E-431-RY, JJ14, QM(4066)	10-25-40	Oils, lub., aircraft eng. Spec. AN-9532- Union Oil Co. of Calif.	Matl. not recd.	JGO
B-3373 B	-- JJ14 (7-10-SS)	7-23-40	Oil, lub., Symbol 5190- Union Oil Co. of Calif.	Matl. not recd.	JGO
B-3383 B	-- JJ32 (DYs-4)	10-24-40	Insul., Pipe cov. & Blocks 85% magnesia, precision molded-Plant Rub. & Ash. Wks.	Matl. not recd.	JGO

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DOCUMENT REQUEST FORM		INITIALS	DATE
		WE J	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
19-62A2160 Box 3/15	NC000681	31	1
DESCRIPTION U.S. Naval Engineering Experiment Station - Monthly report of tests - Nov. 1940. File # NP16/L5			

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U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-3075 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, boiler- from USS NORTHAMPTON & GRIDLEY	Matl. recd. Underway 10%.	WCS
B-3077 A	\$ 200.00 S47 (8-8-DYs)	8-21-40	Pump, centrif. close coupled motor driven-Frederick Iron & Steel Co., exhib.	Completed. Report being typed.	JBL
B-3084 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes, boiler, failed- U.S.S. SIMPSON.	Underway 20%.	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, recd., air dome loaded Type 36H4- Foster Eng. Co.	Matl. not recd.	JBL
B-3094 A	\$ 450.00 L5/NP16 (11-14-Ds)	11-25-24	Pump, emerg. feed, 11"x8"x8" Conts. 68770 & 73366- N.Y. SB Corp.-Ords. 423-24, 424-24, 425-10, 426-10-M.T. Davidson Co.	Compl. & Rep. await. finan. adj.	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-3126 B	-- S48-23 (8-28-DYs)	9-4-40	Traps, stm. open bucket, Cl. B, Type approval test- Kielcy & Mueller, Inc.	Matl. not recd.	JBL
B-3128 B	-- S48-23(8-26-DYs)	9-3-40	Traps, steam, redesigned- Type approval test - Armstrong Mach. Works.	Matl. not recd.	JBL
B-3131 A	-- S48-10(DYs)	8-27-40	Weld. neck flanges-4u. Stds. B-196- Inves. of strains.	Rep. C made. Continuing.	WCS
B-3138 A	-- NOs-73837	9-6-40	Heaters, deaerating-Cont. NOs-73837- Elliott Co.	Underway.	JGO
B-3142 B	-- S87(1)(8-27-DYs)	9-5-40	Thermom., mech.-Weston Electrical Instr. Co.	Underway. about Dec. 15.	JBL
B-3150 B	-- JJ43 (7-11-DYs)	8-24-40	Compounds, anti-seize- I.H. Grancell.	Report in prep.	JGO
B-3151 B	-- JJ33(1)(8-19-DYs)	9-3-40	Pack., asb. high pres. rod General asb. & Rubr. Div. Raybestos-Manhattan, Inc.	Underway.	JGO
B-3152 B	-- JJ33(1) (8-6-DYs)	8-29-40	Packing, plastic, for dogs for watertight closures- Johns Manville.	Underway.	JGO

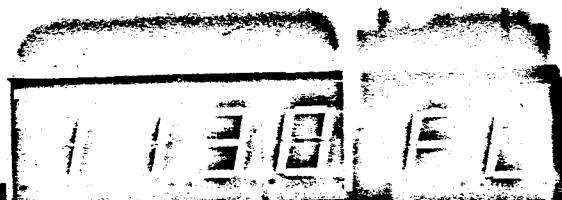
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DOCUMENT REQUEST FORM		INITIALS	DATE
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DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of tests - Nov. 1940. File # NP16/LS.			

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-2938 B	-- DD287/S51(7-24-Ds)	8-20-26	Tube,boiler- Failure of- U.S.S. WYOMING.	Underway 30%	WCS
B-2939 B	-- AT23/S51(6-1-Mh)(SS)	6-21-40	Tubes,boiler, for USS KALMIA (AT23)	Underway 25%	WCS
B-2940 B	-- CL42/S51(4-10-Mh)(SS)	6-19-40	Tubes,economizer- for Boiler #8- SAVANNAH(CL42)	Underway 25%	WCS
B-2942 B	-- S39-1(7-2-SS)	7-16-40	Insul.,Ferro-Therm- Propos.Underway 75% test for corros-resist. Amer.Flange & Mfg.Co.,Inc.		WCS
B-2943 C	-- JJ46-1(21) (6-18-SS)	7-23-40	Metals- 5-point Deephard process for hardening wear-surfaces of machy- Foote Bros.Gear & Mach.Corp.	Matl.recd. Underway.	WCS
B-2944 B	-- SS170/S51 (5-15-SS)	7-13-40	Springs,valve- Failure of USS CACHALOT (SS170)	Report in prep.	WCS
B-2945 A	-- JJ46-1 (25)(SS)	7-22-40	Metals,Steel,molybdenum Vanadium- Beth.Steel Co.	Prel.rep.made. Continuing.	WCS
B-2946 B	-- S48-23(5-14-SS)	7-20-40	Fittings,flared tube- Parker Appliance Co.	Matl.not recd.	WCS
B-2947 B	-- DD287/S51(7-24-Ds)	8-20-26	Tubes,boiler- Failure of USS ZANE.	Underway 30%	WCS
B-2958 B	\$ 100.00 S43-2(7-16-SS)	7-24-40	Bearings,roller- Rollway Bearing Co.,Inc.	Underway. 40% compl.	JBL
B-2964 A	-- JJ46-1(1)(6-27-SS)	7-29-40	Metal,propeller,alloy- Mang-Ni-Copper(Pure Mn)	Underway 50%	WCS
B-2971 B	-- S48-23(SS)	7-30-40	Compd.,joint & thread, high temp.-I.H.Grancell	Underway.	JGO
B-2973 B	-- S41-3(6-28-SS)	7-30-40	Eng.,Diesel fuel-Fuel in- jec.sys.-Eisemann Magneto Corp.	Test compl. Rep.75% compl.	WPJ
B-2987 B	\$ 200.00 QS1 (5-1-Ds)	5-6-39	Meters,fo- Calib.for trials Maritime Com.Hulls 53-58 & 110- NN SB&DD Co.	Rep.B made. Continuing.	JBL
B-2988 A	\$ 125.00 JJ33 (2)(7-11-SS)	7-25-40	Pack.,asb.high pres.rod perfected brand-U.S.Rub.Co.	Underway.	JGO
B-2990 B	-- S19-1(7) (6-25-SS)	7-15-40	Paints,heat-resist.-Thur- Ma-Lox- M.W.Kellogg Co.	Underway.	JGO
B-2991 B	-- S19-1(7) (7-17-SS)	7-22-40	Paint,heat-resisting- Glidden Co.	Underway.	JGO

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B-2823 B	-- S62-2(6)(6-3-Sw)(SS)	6-29-40	Weld- Elec.cable stuff. boxes- Devel.of procedure Made of free mach.steel, Cl.A- N.D.Spec.46S17.	Report in prcp.	BR
B-2829 B	-- S47 (6-4-SS)	6-27-40	Pump, Gerotor, f.o.service hand oper.-Gerotor May Co.	Underway 80%. About 1 Jan.	JBL
B-2840 A	-- JJ46-6(SS)	6-20-40	Castings, alum. modified- Cl.2&5- Corros-resist.of.	Data being assembled.	WCS
B-2855 B	-- N102-29360 (6-28-SS)	6-17-40	Gages, pres.differential- Crosby Stm.Gage & Valve Co.	Test underway.	JBL
B-2856 A	-- JJ43 (4-22-SS)	6-27-40	Couplings, flex- Crocker- Wheeler Elec.Mfg.Co.	Underway this month	JBL
B-2862 B	\$ 100.00 QS1 (5-1-Ds)	5-6-39	Meters, f.o.- Calib.for trials Maritime Com.C-L Type Cargo Vcs.67-71 - Federal SB&DD Co.172-176.	Continuing. Rep.D made.	JBL
B-2864 B	-- S48-24(6-13-SS)	7-6-40	Valve, relief, constant back pres.- Foster Engr.Co.	Underway.	JBL
B-2873 A	\$ 50.00 S72-9(7)/JJ14(10)(E12-1)	7-6-40	Oil, gear, hydraulic, new std.- Std.Oil Co.of Cal.	Compl. Rep. Await.finan.adj.	JGO
B-2877 A	-- DD287/SS1(7-24-Ds)	8-20-26	Meters, cond.- Calib.for trials BAHLGREN(DD187)	Report B made. Continuing.	JBL
B-2878 B	-- S40(5-22-SS)	7-10-40	Noise isolator- Johns Manville Sales Corp.	Arrangements underway.	JBL
B-2903 B	\$ 100.00 QS1 (5-1-Ds)	5-6-39	Meters, f.o.- Calib.for trials Maritime Com.Hulls 102-5-Beth.Hulls 1&81-84.	Continuing. Rep.C made.	JBL
B-2912 B	-- SSL-3 (SS)	4-27-40	Oil, lub., Std.Oil of N.J. Essolube HD in Diesel eng.	200 hrs.on DD eng. with 3080 oil.	WFJ
B-2915 C	-- S43-2 (7-2-SS)	7-15-40	Bear., Phenolic type, for motorboat strut & stern tubes & pump shaft bear. serv.- Richardson Co.	Matl.not recd.	JBL
B-2918 B	-- S87(2)(6-7-SS)	7-1-40	Apparatus- Viscosimeter, Brookfield Synchro-elec.	Underway.	JGO
B-2926 A	-- JJ46-10 (6-15-SS)	6-22-40	Shafts, for blower serv.- Colmonoy overlay process- Wall-Colmonoy Corp.	Arrangements underway, 10%.	(JBL (BR
B-2937 B	\$ 150.00 MC63-66/S55-5(T)-462	7-20-40	Meters, f.o.- Calib.for trials Maritime Com.Hulls 63-66- Ingalls SB Corp.	Rep.B made. Continuing.	JBL

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
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Report of tests for month ending 30 November 1940

B-2752	--	5-15-40	Weld. of cast. alum.-Proc.	Matl. not recd.	(WCS
B	QP/Welding/L5(3-12-Sw)SS		appr. test for- N.D. Spec.		(BR
			46Al, Cl. 2- General Elec. Co.		
B-2778	--	--	Engines, Diesel-Atlasco	300 hrs. on suit.	WFJ
B			Injection system for.	test, 90% compl.	
B-2783	--	6-14-40	Shaftings, Superfinish proc.	Arrangements	(WCS
A	S43-1 (1)(6-5-SS)		for finish. bear. surfaces.	underway.	(JBL
B-2785	--	4-12-40	Propeller, experimental,	Underway 80%	WCS
B	S44(4-8-UKB)		cast, in copper-nickel-silicon- To be tested in 45' aircraft rescue boat.		
B-2793	--	4-27-40	Bearings, Diesel engine & related problems in lubrication- Investigation of.	Lauson, G.M., Cater. & Atlas eng. recd. & inspect.-Month. rep. sub.	WFJ
A	S41-3(SS)				
B-2797	--	6-25-40	Compd., rust prev., Brilco-Brilco Laboratories, Inc.	Underway.	JGO
A	JJ151C11 (M15)				
B-2806	--	6-25-40	Coupling, clutch, Type FBO 150- Conway Clutch Co.	Matl. not recd.	JBL
A	S43-1(5-28-SS)				
B-2810	--	6-21-40	Insul., Felt, Rockwool, for boiler uptakes- Eagle Picher Sales Corp.	Underway.	JGO
B	S39-1 (6-13-SS)				
B-2811	--	6-24-40	Pack., compd., jt. sealing, Duroloid- N.W. Proc. Co.	Underway.	JGO
B	JJ33(1)(6-5-SS)				
B-2812	75.00	6-22-40	Insul. cement, Cl. B- Webers 48- Forty-Eight Insul. Inc.	Samples recd. Underway this month.	JGO
B	JJ32(6-13-SS)				
B-2813	--	6-21-40	Engine, intern. combustion- Fiedler Injec. sys. for.	Program prep. Matl. ready. Await. nozzles.	WFJ
B	S41-5 (SS)				
B-2814	--	6-24-40	Filters 0 Diesel fuel oil	Matl. being obtained.	WFJ
B	S55-2(5-17-SS)				
B-2819	--	4-27-40	Oil, lub., Texas Co. #303 in Diesel engines.	Test compl. Eng. 4649 471 hrs. Removed. Winton control run 3080 oil, 520 hrs.	WFJ
B	SS1-3(SS)				
B-2820	--	4-27-40	Oils, lub.-Sinclair "Gascon" Abeyance in Diesel engines.		WFJ
B	SS1-3(SS)				
B-2821	--	6-27-40	Compd., jt. sealing- Tite-seal-Radiator Specialty Co.	Underway.	JGO
C	JJ33 (1)(6-14-SS)				
B-2822	--	6-27-40	Pack., stern tube, semi-met. Sym. 1405- Crane Pack. Co.	Underway.	JGO
B	JJ33(6-20-SS)				

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
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Report of tests for month ending 30 November 1940

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.	CFR 3050,91 hrs. Month.rep.sub.	WFJ
B-2642 B	--	5-10-40 JJ33 (4-9-SS)	Pack.,plastic,for dogs for watertight closures- Hound Packing Co.	Underway.	JGO
B-2648 A	--	5-9-40 JJ46-(0) (5-2-SS)	Alloy- Collalloy- Colonial Alloys Co.	Weld: Await.matl. Metl: Underway 75%	(WCS (BR
B-2666 B	--	5-17-40 JJ-13G1c (4-25-SS)	Glasses,gage,rd.Red Line type- Corning Glass Wks.	Arrangements underway.	JBL
B-2667 B	--	5-13-40 QP/Welding/L5(3-12-Sw)SS	Weld- Cast mang-vanadium alloy steel- Proc.approv. test- General Elec.Co.	Matl.not recd.	(WCS (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. Continuing.	WCS
B-2701 B	--	3-29-40 QP/W_C (4) (1)(5-8-SS)	Weld-Electr.Vicphosco phos-bronze- Suit.test- Victor EquipmentCo.	Awaiting new material.	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
B-2733 B	--	6-5-40 JJ33(2) (5-24-SS)	Connector,flex.for pres. gages-Packless Ket.Prod.	Arrangements underway.	JBL
B-2737 A	--	6-26-28 JJ7-6/L5 (6-13-S)	Oil,lub.,aircraft engine- Period between changes of in Patrol Aircraft- Samp. from Patrol Squad.26.	Rep.C sub. Continuing.	JGO
B-2747 B	\$ 150.00	5-29-40 Aer-E-431-RY, JJ7G1, QM (633)	Grease,Sinclair HT water- resist.-Type appr.test- Bu.Aero.Spec. M-372.	Compl.& Rep. Await.finan.adj.	JGO
B-2748 A	--	6-11-40 JJ46-5 (SS)	Metal, lead-lithium- bearing.	3 compositions under test.	WCS
B-2750 B	--	8-20-26 DD287/S51(7-24-Ds)	Header,boiler, USS AN- TARES* Exam.& test of.	Underway 20%	WCS

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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., exhdb.	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.	Underway.	JBL
B-2491 A	-- P0240/41, L1-2/NP (3-28-F)	3-28-40	Compd., preservative, thin film (Polar)- for Machy. Devel. of spec. for.	Report A sub. Continuing.	JGO
B-2428 B	\$ 187.50 QS1 (5-1-Ds)	5-6-39	Meters, for- Calib. for trials C-2 Diesel cargo vessels- Maritime Com., 22-25, Tampa #33-36- Tampa SB&Engr. Co.	Continuing. Report D made.	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.	Underway.	JBL
B-2532 B	-- QP/W&C-4(1) (4-2-SS)	4-9-40	Weld-lectr. Lincoln Fleet- weld 9HT C-No 3/16" x 1/4" dia. Cl. B- Qual. test of.	Report in prep.	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.	Report completed.	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 appr. test- Trill Ind. Co.	Compl. & Rep. Await. finan. adj.	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-2584 A	-- S48-10 (Sw) (SS)	4-24-40	Joints, piping, welded- Bevel. procedure to test by Magnetic Powder Meth.	Report A sub.	Bk
B-2606 B	-- S39/L5 (12-29-SS)	4-24-40	Insul., Felt, woven glass- U.S. Asbestos Division, Raybestos-Manhattan, Inc.	Underway.	JGO
B-2626 A	--	Oral	Engine, Diesel, Winton 12- cyl, 201A- Tests of eng. parts & lub. oils in - at New London, Conn.	Test continuing.	WFJ

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		WEJ	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
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DESCRIPTION			
U.S. Naval Engineering Experiment Station Monthly report of tests- Nov. 1940. File # NP16/L5.			

CRMC-M&S-003732

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-1583 B	-- JJ14/L5 (7-8-Ds)	7-14-39	Oil, lub., SUPERSOLV Lub. Ad & Top Oil "D"- Portable Plating & Equip. Co.	Await. new lub. oil.	WFJ
7-1666 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.	Data being assembled.	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.	Rep. E sub.- #4 pist. discon. 5253 hrs. #8 resumed on S474 eng., 1372 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 M 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.	75% 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 asb. & 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., asb. 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 underway.	JBL
B-1768 A	-- JJ46-1/L5 (9-8-Ds)	9-12-39	Metals, Steel, 18-8 Cr-Ni with Ag- Lebanon Stl. Fdry.	Fatigue tests underway.	WCS
B-1788 A	-- Oral, Bueng	8-10-39	Cyl. heads, cast alum.- Suit. of- Winton 201A Diesel eng.	Test completed. Rep. 75% compl.	WFJ
B-1789 B	-- S55 (9-2-Ds)	9-6-39	Indicator, dissolv. oxygen- Serv. test of- NRL, Wash., DC	Not yet underway.	JGO
B-1808 B	-- S48-23/L5 (7-24-Ds)	9-15-39	Valves, plug- Reed Roller Bit Co., exhib.	Underway 50%.	JBL

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-1345 B	-- S39/L5 (8-2-Ds)	5-5-39	Insul., glass fiber felt- Union Asbos. & Rubber Co.	Report in prep.	JGO
B-1384 B	-- JJ33/L5 (5-3-Ds)	5-10-39	Pack., plas. met. coil form mct. foil jacket-VALVEASE	Report in prep.	JGO
B-1387 B	-- QX13 (5-9-Ds)	5-18-39	Filters, oil- anal. of samp. oil from U.S. Coast Guard.	Report U 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 Nk Seal Style 501- Sea-Ro Pk. Co.	Underway, Partial rep. sub.	JGO
B-1415 B	-- S19/L5 (5-3-Ds)	5-25-39	Coating, protec., Condenser tubes-Phelps Dodge Prod. Co.	Underway 50%	WCS
B-1471 B	-- S48-23/L5 (5-19-Ds)	6-13-39	Traps, steam, impulse type- with integral strainer- Yarnall-Waring Co.	Report in prep.	JBL
B-1477 B	-- S48-23/L5 (5-17-Ds)	6-7-39	Valves, plug, for fo, feed- water & steam services- Kuehler-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-1498 B	-- JJ33/L5 (5-22-Ds)	5-26-39	Pack., valve stem, square braided- The Darcoid 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-Ds)	6-21-39	Pack., asb. high pres. rod- Asbes. Fibre Spinning Co.	Underway. Partial rep. sub.	JGO
B-1517 B	-- S48-23 (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.	5274 hrs. on 5474 engine.	WFFJ
B-1542 B	-- JJ46-6/L5 (3-15-Ds)	6-24-39	Alloy, alum. cast.- Nat'l Bronze & Alum. Fdry. Co.	Prelim. rep. made. Continuing.	WCS
B-1558 A	-- JJ46/L5 (6-15-Ds)	7-10-39	Alloy, silver brazing, Easy- Flo #3- Handy & Harman.	Prelim. rep. made. Continuing.	WCS
B-1576 B	-- S48-24/L5 (6-30-Ds)	7-11-30	Valves, plug, for boiler blow-off & feedwater serv.- Barrett Mach. Co.	Underway 75%	JBL

DOCUMENT REQUEST FORM

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DESCRIPTION

U. S. Naval Engineering Experiment Station.
Monthly report of tests - Nov. 1940.
File # NP 16/L5.

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U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

3-996 B	--	1-16-39 QP/Welding/L5 (12-28-Ds)	Weld- Qual. tests of GE Co. W52 & W54 electrodes for Cl. A&B C-Mo electrodes.	Report submitted Await. class I matl. for retest.	BR
3-1016 B	--	4-23-38 S39/L5 (4-19-Ds)	Insul., Blanket, turbine- Fiberglas brand- Owens-Corning Fiberglas Corp.	Underway.	JGO
3-1017 B	--	11-25-24 L5/NP16 (11-14-Ds)	Tubes, boiler- Condition of- USS TULSA.	Report in prep.	WCS
3-1063 B	--	7-5-38 JJ33/L5 (6-28-Ds)	Pack., flex. met.-Garlock Styles 5347 & 5348- Garlock Packing Co.	Underway.	JGO
3-1075 B	--	1-23-39 JJ48-1/L5 (12-1-Ds)	Metals-Bolt matl- Bueng. Spec. 43B14 (INT), 12/1/38- Inter. Nickel Co., Inc.	Matl. not recd.	WCS
B-1089 B	--	8-2-38 S41-3/S82 (7-22-Yo)	Engine, Diesel powerboat Norfolk type- Serv. test of rubber mounting.	Report completed.	WFJ
B-1095 B	--	8-20-26 DD287/S51 (7-24-Ds)	Tubes, from #13 boiler U.S.S. SARATOGA.	Report in prep.	WCS
B-1126 B	--	11-30-38 A5-7/DD (10-28-Yh)	Tube, boiler, failed- USS LAMSON- Examination of.	Report in prep.	WCS
B-1144 B	+ 85.00	3-3-39 S87(A)/L5 (1-10-Ds)	Thermom. dist. read. dial- Thomas A. Edison, Inc.	Prelim. report sub.	JBL
B-1146 B	--	12-13-37 JJ33/L5 (11-19-Ds)	Pack., comp. asbes. sheet- with neoprene binders- sub. by various mfrs.	Report A sub. Rep. B in prep.	JGO
B-1156 B	--	2-28-39 JJ14/L5 (9-3-Ds)	Compd., anti-seize, ORBA brand- E.L. Orndorff.	Underway.	JGO
3-1158 A	---	3-9-39 S56-5 (3-7-Ds)	Feedwater, boiler- Design of appar. for dissolved oxygen determination.	Report C sub. Continuing.	JGO
B-1169 B	--	3-11-39 JJ33/L5 (3-6-Ds)	Pack., gaskets, boiler & pipe flange- SPIROTALLIC Johns Manville Co.	New samples to be submitted.	JGO
B-1180 B	--	3-13-39 S43-2/L5 (2-16-Ds)	Bearing strips, RYERTEX- phenolic brand- Joseph T. Ryerson & Son, Inc.	Underway.	JBL
B-1181 A	Reopened	5-27-39 JJ14/L5 (4-10-Ds)	Oil, lub., used, from #2 & #3 units- USS ASTORIA.	Report H sub. Continuing.	JGO

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U. S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

3-996 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 Await, class I matl. for retest.	BR
3-1016 B	-- S39/L5 (4-19-Ds)	4-23-38	Insul., Blanket, turbine- Fiberglas brand- Owens-Corning Fiberglas Corp.	Underway.	JGO
3-1017 B	-- L5/NP16 (11-14-Ds)	11-25-24	Tubes, boiler- Condition of- USS TULSA.	Report in prep.	WCS
3-1063 B	-- JJ33/L5 (6-28-Ds)	7-5-38	Pack., flex. met.-Garlock Styles 5347 & 5348- Garlock Packing Co.	Underway.	JGO
3-1075 B	-- JJ46-1/L5 (12-1-Ds)	1-23-39	Metals-Bolt matl- Bueng. Spec. 43B14 (INT), 12/1/38- Inter. Nickel Co., Inc.	Matl. not recd.	WCS
B-1089 B	-- S41-3/S82 (7-22-Yo)	8-2-38	Engine, Diesel powerboat Norfolk type- Serv. test of rubber mounting.	Report completed.	WFJ
B-1095 B	-- DD287/S51 (7-24-Ds)	8-20-26	Tubes, from #13 boiler U.S.S. SARATOGA.	Report in prep.	WCS
B-1126 B	-- A5-7/DD (10-28-Yh)	11-30-38	Tube, boiler, failed- USS LAMSON- 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. Rep. B in prep.	JGO
B-1156 B	-- JJ14/L5 (9-3-Ds)	2-28-39	Compd., anti-seize, ORBA brand- E.L. Orndorff.	Underway.	JGO
3-1158 A	--- S56-5 (3-7-Ds)	3-9-39	Feedwater, boiler- Design of appar. for dissolved oxygen determination.	Report C 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.	Underway.	JBL
B-1181 A	Reopened JJ14/L5 (4-10-Ds)	5-27-39	Oil, lub., used, from #2 & #3 units- USS ASTORIA.	Report H sub. Continuing.	JGO

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

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B-669 B	-- S48-24(R)/L5(7-15-Ds)	9-30-38	Valves, reducing- Klipfel Mfg.Co.	High pressure valves not recd.	JBL
B-704 B	-- QP/Welding/L5(9-14-Ds)	10-5-38	Weld- 1/8" dia. Aerisweld Phos-Br electrodes and retest of, in 5/32" dia. size- Lincoln Elec.Co.	Test completed. Report in prep.	BR
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-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. (WCS Other tests under- (BR way.	
B-791 B	-- QP/Welding/L5(10-20-Ds)	11-4-38	Weld- Qual. test of Wilson Alloyrod A&B carb-molybde- num welding electrodes.	Rep. sub.- Awaiting Class I matl. for retest.	BR
B-792 B	Reopened QP/Welding/L5(10-14-Ds)	11-4-38	Weld- Qual. test of Champ Blue Devil 85 & Red Devil 75- Carb-molyb. electrodes.	Rep. A made. Await. matl. for re- test, Class I matl.	BR
B-860 B	-- S92/L5 (8-15-Ds)	11-22-38	Joints- Inves. of avail. means of silver brazing in restricted locations.	Report B sub.	BR
B-872 A	-- S41-5 (11-29-Ds)	12-7-38	Water- Treat. of in closed cool. sys. with chromates.	Underway.	JGO
B-866 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	Exhib. 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.	Prel. rep. 2/6/40 Rep. B 4/12/40- Final Rep. C sub.	W.F.J.
B-967 B	-- JJ46/L5 (8-12-Ds)	1-5-39	Metal- Al-Ni-Bronze - Chase Brass & Copper Co.	Data being assembled.	WCS
B-969 B	-- QP/Welding(12-7-Ds)	12-28-38	Weld- Carb-Molyb. steel- stm. pipe- Proc. appr. test Boilers- NYds, Phila., N.Y., Norfolk, Pug. Sd. & Mare Isl.	Rep. E-1 made. Continuing.	(WCS (BR

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-403	--	6-21-38	Radiators, steam heating-	Underway as oppor-	JBL
B	DD415-20/S48(6-10-Ds)		sub.by Navy Yard, Boston.	tunity permits.	
B-432	--	6-28-38	Valves, reducing-	Exhib.making	JBL
B	S48-24(R)/L5(6-17-Ds)		O.C.Reckley Co., Inc.	changes.	
B-457	--	6-17-38	Comps., scaling, turbine	Report J sub.	JGO
A	S48-23/L5 (3-1-Ds)		casing, sub.by var.mfrs.	Continuing.	
B-458	--	6-17-38	Comps., scaling, thread	Report I sub.	JGO
A	S48-23/L5 (3-1-Ds)		joints, sub.by var.mfrs.	Continuing.	
B-463	--	6-22-39	Packing, plas.non-graphitic,	Report in prep.	JGO
B	JJ33/L5 (6-7-Ds)		with braid.asbes.jacket-		
			The Allpax Co., Inc.		
B-466	Reopened	2-4-39	Insulation, rockwool, Im-	Underway.	JGO
B	S39/L5(1-30-Ds)		proved TUCO-TUL- Tuco Co.		
B-490	--	7-19-38	Weld.electrodes, Phos-Br.	50% completed.	BZ
B	QP/Welding/L5 (6-29-Ds)		Edco Process- Eccles &	Recommended for	
			Davies Machy.Co.	cancellation.	
B-494	--	1-20-38	Insul., pipe covering-	Recommended for	JGO
B	JJ33P5 (1-17-Ds)		Rockwool- NDS 32P5c of	cancellation.	
			12/1/37- Revision of.		
B-504	\$ 50.00	7-30-38	Nut, self-locking- Boots	Report in prep.	JBL
B	JJ43/L5(7-15-Ds)		Aircraft Nut, exhib.		
B-555	Reopened	2-1-39	Stressindicating	Rep.F made. Ct'g.	WCS
A	JJ43/L5 (8-11-Ds)		devices- Bolts.	Test washers fwd.to	
				various ships & Nyds.	
B-560	--	11-25-24	Liner, cyl.- HELENA- Cont.	Report in prep.	WCS
B	L5/NP16 (11-14-Ds)		NOs-55897- F.Korse & Co.		
B-562	--	8-16-38	Coatings, NO-OX-ID-IZED	Underway 80%.	WCS
B	S19/L5 (8-2-Ds)		reenforced fabric wrapper-		
			Corros-prev.cov.for propel.		
			shafts- Dearborn Chem.Co.		
B-585	\$ 250.00	6-22-39	Ball bearings -	Matl.not recd.	JBL
B REOPEN.	S43-2/L5(5-12-Ds)		Bearings Co.of America.		
B-591	--	Oral	Engine, 2-cyl.commercial	Eng.671701, 500 hrs.	WJ
A	Bueng.		Diesel- Devel.for use as	on reliab.test+ 80 hrs.	
			150-hp powerboat engine	with rpm oil- Total 939.	
				Replacement blower ordered	
B-592	\$ 250.00	8-29-38	Valves, red., Cl."ca" and	Exhibitor	JBL
B	S48-24(R)/L5(8-16-Ds)		"d"- Atlas Valve Co.	making changes.	
B-604	--	8-6-38	Metals- Rate growth of	Underway 50%. Add.	WCS
B	NP16 (7-21-Ds)		matls.when subjected	samps.rec.-Tests	
			to high temp.steam.	in steam underway.	

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11/4/39

U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

B-220	\$ 200.00	4-22-38	Traps, thermo., Sterling Engineering Co.	Underway.	JBL
B	Reopen. S48-23/L5(3-4-Ds)				
B-267	--	4-29-38	Separator, steam- Drive	Exhib. to submit new valve.	JBL
B	S48-23/L5(3-22-Ds)		Steam Valve Sales Corp.		
B-277	--	2-4-37	Liner, cyl.-Devel. of & test	Report A sub.	EFJ
A	S41-5/L5 (2-2-Ds)		satis. type for Winton 8x10 Diesel eng.- Red. oil consump.		
B-278	--	5-7-38	Pack., plas. non-graphitic	Final rep. in prep.	JGO
B	JJ33/L5 (5-2-Ds)		Various mfrs.	Partial rep. sub.	
B-280	--	4-30-38	Insul., 85% magnesia, formed flanged covers- Plant rubber & Asb. Wks.	Report in prep.	JGO
B	S39/L5 (4-22-Ds)				
B-288	--	5-14-38	Weld- Suit. test of hard-facing rods #10 for gas weld. & #110 for elec. arc weld.- Coast Metals, Inc.	Reported	BR
B	JJ46/L5 (5-3-Ds)				
B-298	--	5-13-38	Metals- Cr. op test of Ferrous- Tinkon Co.	Underway 75% Weld. test underway. Matl. rep. in T-2668.	TCS
B	JJ46-1/L5(4-13-Ds)				
B-300	--	5-18-38	Bearing matl.- The Amer. Brake Shoe & Foundry Co.	Continuing.	JBL
B	S43-2/L5(4-3-Ds)				
B-343	--	5-25-38	Pack., semi-metallic, Sym. 1400- Union Asb. & Lubr. Co.	Underway.	JGO
B	JJ33/L5 (5-3-Ds)				
B-375	--	5-4-38	Evaporators, Kleinschmidt vapor compression type distilling plant.	Exhib. making chgs. in compressor.	JBL
B	Reqn. EN8/2/79601				
B-386	\$ 300.00	6-8-38	Couplings, flex.-Thomas Flexible Coupling Co.	Service test underway.	JBL
B	S41-3/S82/L5(5-16-Ds)				
B-398	--	12-27-37	Insul., Cement, water-proof coat.-INSULKOTE & EAGLE INSULSEAL- J. Manville Sales Corp. & Eagle-Picher Co.	Report in prep.	JGO
A	S39/L5 (12-18-Ds)				
B-399	--	6-24-38	Welding-Elbow fittings- Suit. test of- Taylor Forge & Pipe Works.	Report A sub.	BR
B	QP/Welding/L5 (6-7-Ds)				
B-401	--	6-27-38	Weld- Columbian bear. 4-6% Cr-Vo steel (0.50% Mo)	Matl. on hand	BR
B	QP/Welding/L5(6-9-Ds)				
B-402	--	6-18-38	Pack., Gaskets, spiral wd. metal. asbes.-Azor Corp.	Underway.	JGO
B	JJ33/L5(4-15-Ds)				

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U.S. NAVY ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

9913 A	--	1-14-38 JJ46-1/L5 (1-8-Ds)	Metals, wrought carb. steel (killed)- Creep tests of	Data being assembled.	WCS
9977 B	--	2-10-38 S44 (1-21-Ds)	Welding of manganese-bronze propellers.	85% completed. Continued.	Bk
B-6 B	--	9-22-37 JJ32/L5 (9-16-Ds)	Insul., cement, hard-finish Prep. by EES- Var. mfrs.	Report in prep.	JGO
B-7 B	\$ 175.00	1-4-38 JJ33/L5(12-29-Ds) 1-21-38 JJ33/L5(12-29-Ds)	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	--	12-1-37 JJ32/L5(11-26-Ds)	Insul., cement, Plant 600 & Coverkote brands- Plant rubber & Asbestos Works.	New sample to bc sub.- Report A in prep.	JGO
B-32 B	--	2-21-38 S72-2(V) (2-1-Ds)	Insul., 85% magnesia pipe covering- Comparative tests of various brands.	Report in prep.	JGO
B-42 B	--	2-28-38 JJ/Solder(2-23-Ds)	Solder, silver, medium temp. (Cadmium silver)	Underway 50%	WCS
B-61 A	--	1-29-38 SS182-4/S-1(1-21-Do)	Noise elim.-Subm. main propul. plants- Sd. Anal.	Rep. D sub. Continuing.	JBL
B-84 B	--	2-21-38 S39/L5 (2-14-Ds)	Insul., Rockwool blanket pipe covering No. 100-Baldwin-Hill Company.	Report in prep.	JGO
B-108 B	--	3-15-38 JJ7-3/L5(12-3-Ds)	Pumps, f.o.- Effect of low viscosity on capacity.	Report A sub. Underway as oppor. permits.	JBL
B-146 B	--	4-2-38 QP/Welding/L5 (3-31-Ds)	Weld- Effects of arc length on properties of Ni-Cu alloy and pure nickel.	Report A sub. Await. add. matl.	BR
B-161 B	--	4-7-38 JJ33/L5 (3-2-Ds)	Pack., valve stem, QP self-setting- Q-P Signal Co.	Underway.	JGO
B-186 B	--	4-13-38 QP/Welding/L5 (4-12-Ds)	Weld- Mouldough Powder for use as backing matl. Metal Bond Mfg. Co.	Underway. Prelim. test completed. Report in prep.	BR
B-190 B	--	4-13-38 JJ33/L5(4-5-Ds)	Pack., plastic net. Type C&R NDS 33P25a- Linear Packing & Rubber Co.	Underway. Partial rep. sub.	JGO
B-209 A	\$ 450.00	4-14-38 S48-23/L5(4-7-Ds)	Valves, redesigned Foster Type EPSH excess pres. gov. Foster Engineering Co.	Rep. A sub. Rep. B in prep.	JBL

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

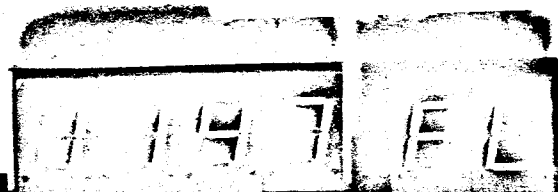
9562 B	Reopened S48-24/L5 (7-5-Ds)	10-25-39	Valves, plug, for fuel oil & feedwater services- Homestead Valve Mfg. Co.	Stm. valves ret'd to factory for modification.	JBL
9564 A	-- S62-2(V)/L5 (9-3-Ds)	9-24-37	Bearings, Micarta- Westinghouse E&M Co.	Add. tests to be made. Prelim. rep. sub.	JBL
9594 B	-- QP/Welding/L5(9-14-Ds)	9-27-37	Weld- CRS to Bronze-Proc. approx. test- NYd, Phila.	Matl. not recd.	(WCS (BR
9598 B	-- QP/Welding/L5(9-14-Ds)	9-27-37	Weld- Brass to Led. Steel- Proc. appr. test- NYd, Phila.	Matl. not recd.	(WCS (BR
9604 A	--	Oral	Gears, reduction- Noise tests on ships.	Reps. 9604-26&27 sub.- Continuing.	JBL
9685 B	-- S39/L5 (10-6-Ds)	10-20-37	Insul., Pipe & flg. covers- Unibestos- Union Asbestos & Rubber Co.	Final rep. in prep. 1 Jan.	JGO
9703 B	-- S39/L5(10-20-Ds)	11-8-37	Insul., glass wool, for intakes, boilers & casings- Owens-Illinois Glass Co.	Report B sub. Underway. Report C in prep.	JGO
9725 A	-- S44/L5 (10-19-Ds)	11-3-37	Propellers- Determine suitable materials for.	Formal rep. sub. Continuing.	WCS
9734 B	-- QP/Welding/L5(11-13-Ds)	11-17-37	Welding- Weldability of iron alloys.	70% completed. Awaiting add. matl.	BR
9790 B	-- QP/Welding/L5 (11-30-Ds)	12-6-37	Weld- Inves. to deter. suit. of root & face bends to qual. welders to work with Ni-Cu, Cu-Ni, C-Mo steel & Mg-Br with Phos-Bronze.	Completed. Report in prep.	BR
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, Inc.	Underway. Indef. Partial rep. sub.	JGO
9846 A	-- S41-5/L5 (2-2-Ds)	2-4-37	Pistons- Design, develop test EE ³ cooled, in Winton 8x10 S/M Diesel for suit.	Cancellation recommended.	WFJ
9865 B	-- L1-2/MP16 (8-2-Di)	12-3-37	Piping, valves, fittings & joints for use with Freon refrigerant- Inves. of.	Report B sub. Continuing.	JBL
9898 B	-- S47/L5-2(12-10-Ds)	12-31-37	Seals, rotary pump and turbine shafts- Inves., development & test of.	Underway. Extend. invs.-Rep. B manuscript completed.	JBL

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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	35	2
DESCRIPTION			
U.S. Naval Engineering Experiment Station Monthly report of tests - Nov. 1940. File # NP16/L5.			

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

9783 A	-- S41-3/S82/L5(4-6-Ds)	4-8-37	Engines, Diesel power- boat- Calibration of.	Report C being reviewed.	TFJ
9833 B	-- JJ33/L5(2-9-Ds)	2-10-37	Pack., Sym. 1104- Tests of Determine max. & minimum lubrication required.	Report in prep. 1 January.	JGO
8865 B	-- QP/L5 (12-17-Ds)	2-20-37	Tubes, condenser- Tests in experimental condensers.	Extend. inves.- Cond. reinstalled- Underway.	TCS
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., plastic met. & 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.	Report O sub. Continuing.	TCS
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 B	-- S62-2(H)/L5(4-26-Ds)	2-15-37	Pack., plas. stuff. tube- JM Style KX-2054- Johns Manville Sales Corp.	Recommended for cancellation.	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
9002 B	-- Agr-E-46-MH, JJ7-4	4-1-37	Fuels, Diesel, aircraft- Investigation of.	Carbide compl. Report 25% compl.	TFJ
9005 B	-- QB/L2 (1-30-Ds)	4-12-37	Flanges, with ring joint facings.	Underway.	TCS
9007 B	Reopened JJ47 (2-17-Ds)	4-14-37	Alloy, Phos-copper- Westinghouse E&M Co.	Underway.	TCS
9027 B	-- QP/Welding (4-19-Ds)	4-20-37	Weld- Invs. of effect of heat-treatment on welded brass & bronze structures.	50% completed.	BR
9030 C	-- SS6-1/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.	Report C sub. Continuing.	JGO

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U.S. NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

Report of tests for month ending 30 November 1940

7851 B	-- S48-23/L5(2-14-Ds)	2-19-36	Connec.flex.bulkhead- for steam piping- Foster-Wheeler 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.	Report in prep.	TCS
8061 A	Reopened S48-23/L5(4-1-Ds)	4-4-36	Fittings,silver solder & sweated, for high pres- sure air systems.	Continuing	TCS
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	-- S48-23(5-14-Ds)	5-14-36	Joints,pipe- Maintaining tightness with steam at 600#,750°F.temperature.	Rep.C made. Recom. cont'g. along different lines.	TCS
8181 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. Proc.approv.	(TCS (BR
8212 B	-- JJ33/L5 (6-12-Ds)	6-19-36	Packing,flex.metallic- Style 360- J.M.Corp.	Underway. Indef. Report in prep.	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. 1 Jan.1941.	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.	(TCS (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.	(TCS (BR
8561 B	-- CA37/S48 (6-20-Ds)	10-27-36	Pack.,compressed asbes. sheet- Inves.to develop meth.of test- Var.exhib.	Extended. New sample being submitted.	JGO
8732 B	-- S39/L5 (10-20-Ds)	11-12-36	Pack.,asb.cloth,plain & wire reinforced- Var.mfrs.	Report in prep.	JGO
8739 B	-- JJ33/L5 (11-27-Ds)	12-30-36	Pack.,Gaskets- Pressure- filled- Mills Gasket,Ltd.	Recommended for cancellation.	JGO
8764 B	-- JJ33/L5 (10-23-Ds)	12-7-36	Pack.,valve stem,high pres.- 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

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DOCUMENT REQUEST FORM

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DATE

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ACCESSION NUMBER

BOX NUMBER

SEGMENT NUMBER

NUMBER OF PAGES

19-62A2160 Box 3/15 DC000681

36

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DESCRIPTION

U. S. Naval Engineering Experiment Station..
Monthly report of tests - Nov. 1940,
File # NP 16/LS.

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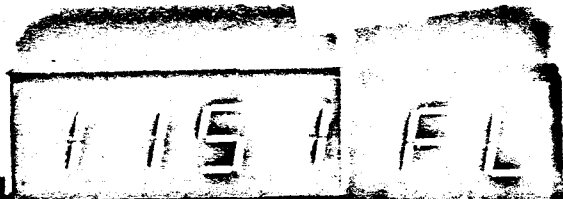
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, NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 30 November 1940

<u>Test No.</u>	<u>Nov.</u>
B-2706-R JGO	14 Gaskets, asbestos, metallic cloth, for NYd, Brooklyn- Cont.73606 - Garlock Packing Co., contr.- Acceptance recommended.
B-2706-S JGO	15 Cont.73606- Boiler gaskets for Mare Island, Calif.- Garlock Packing Co. contr.- Acceptance recommended.
B-2706-T JGO	15 Cont.73606- Boiler gaskets for Sowell's Point, Va.- Garlock Packing Co., contr.- Acceptance recommended.
B-2706-U JGO	26 Cont.73606- Boiler gaskets for Navy Yard, Wash., DC- Garlock Packing Co., contr.- Acceptance recommended.
B-2718-AG JGO	5 Lub.oil- Cont.NOd-1085 with General Motors Corp.- Samples of used Texaco 3065 taken during and at completion of 360-hr.run and 48-hr full power run, main eng.5626- No recommendations.
B-2718-AH JGO	19 Lub.oil- Cont.NOd-1085 with General Motors Corp.- New and used Texaco 3065 taken during 22-hr.run, main eng.5628- BARNEGAT & BISCAYNE- No recommendations.
B-2718-AI JGO	29 Lub.oil- Cont.NOd-1085 with General Motors Corp.- Sample of used Texaco 3065 taken at completion of 24-hr.full power run, main engine 5628- BARNEGAT & BISCAYNE- No recommendations.
B-2736-H JBL	25 Meter, cold water, for Newport News SB&DD Co.Order H-385-1193- Worthington-Gamon Meter Co., contr.- Rejection recommended.
B-2737-D JGO	20 Lub.oil draining interval- Extension of - See report for recommendations.
B-2738-E JGO	18 Par-Al-Ketone engine preservative compound- Cont.W156s-16468- Quaker Chemical Products Corp., contr.- Acceptance recommended.
B-2747 JGO	5 Sinclair Opaline high temperature water resistant grease, sub.by Sinclair Refining Co., Inc.- Considered unsuitable for Naval use.
B-2751 WCS	26 Wire rope plated by the Bethanizing Process - Bethlehem Steel Co. See report for recommendations.
B-2793-B WFF	28 Progress report on engine testing of Diesel lubricating oils for the month of October 1940 - No recommendations.
B-2802-AC JGO	8 Lub.oil- Samples of new Texaco 3065 oil from USS THRESHER- Acceptance recommended.
B-2802-AD JGO	8 Lub.oil- Cont.73802-Texaco 2190 and 3065 furnished by The Texas Co., for War Dept., St.Louis, Mo- Acceptance recommended.
B-2802-AE JGO	20 Lub.oil- Cont.73802- Texaco 5065 for use at Fort Amador, C.Z. from Fort Mason, Calif.- No recommendations.

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		WET	10/12
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES
A-62A2160 Box 3/15	DC000681	37	2
DESCRIPTION			
U.S. Naval Engineering Experiment Station - Monthly report of tests - Nov. 1940. File # NP16/L5.			

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U S NAVAL ENGINEERING EXPERIMENT STATION
Annapolis, Maryland

List of tests reported during month ending 30 November 1940

<u>Test</u> <u>No.</u>	<u>Nov.</u>
B-2834-B JBL	27 Beth.Steel Corp.Order R-719-442-E-5366 on Leslie Co.- Pressure Reducing valves- Acceptance recommended.
B-2834-C JBL	29 Reqn.1031-Cont.N251s-60586- Valves,presure reducing- for NYd, Puget Sound- Leslie Co.,mfr.-Acceptance recommended.
B-2835-D(1) JBL	27 Cont.N181s-40908- Reqn.13-1044- H.P.air reducing valves for NYd, Norfolk- Foster Engr.Co.,contr.- Acceptance recommended.
B-2835-E JBL	26 Reqn.908/40- Reducing valves,high pressure air- for NYd,Boston- Foster Engr.Co.,mfr.- Acceptance recommended.
B-2835-F JBL	27 Reqn.L-1329 1-41 WSA, Cont.N244s-25796- for USSDIXIE-Foster Engineering Co.,mfr.- Rejection recommended.
B-2835-G JBL	28 Cont.N151s-33246,Reqn.1-40/Sundry 12645- Pressure reducing valve for NYd,Phila.-Foster Engr.Co.,contr.- Rejection recommended.
B-2839-B BR	5 Cont.71435- Qualification of welding process for flash welding alloy tubes- Combustion Engineering Co.,exhib.- No recommendations.
B-2842-E JGO	18 Cont.NOs-73829- Fuel-Aircraft-engine,92 octane(lead 3.5 ml)- Shell Oil Co.,Inc.,contr.- Acceptance recommended.
B-2862-C JBL	15 Meters,fuel oil-After trials SS ZOELLA LYKES,before trials SS REUBEN LYKES- Federal Shipbldg.& Dry DockCo.- No recommendations.
B-2887-C JGO	8 Contract 73858- Asbestos Metallic cloth for Charleston- General Asbestos &Rubber Co.,mfr.- Acceptance recommended.
B-2888-C JGO	8 Cont.73859- Hydraulic packing for various Naval activities- Quaker Rubber Co.,mfr.-Acceptance recommended.
B-2888-D JGO	14 Packing,hydraulic- Cont.73859-Quaker Rubber Co.,contr.- Acceptance recommended.
B-2889-E JGO	8 Packing,plastic,non-metallic for NYd,Charleston,S.C.-Cont.73860 Crane Packing Co.,contr.- Acceptance recommended.
B-2889-F JGO	26 Packing,plastic metallic,Symbol 1434,for NYd,Puget Sound,Order #5 Cont.73860-Crane Packing Co.,contr.-Acceptance recommended.
B-2890 JGO	20 Cont.NOs-73861,Plastic metallic packing for Various yards- The Allpax Co.,contr.-Acceptance recommended.
B-2891-J JGO	26 Cont.73862- H.P.metallic rod packing and stern tube packing for Mare Isl.Ord.9,10,11- Felt Products Mfg.Co.- Accep.recommended.
B-2892-B JGO	27 Packing,flax,for NYds,Mare Island- Ord.#1 and Charleston Ord.#11- Cont.73863- Clinton Mfg.Co. Acceptance recommended.

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<u>Test No.</u>	<u>Nov.</u>	
B-2895-BU JGO	7	Packing, braided asbes. rod- Garlock Packing Co., contr. & mfr.- Cont. 73866- Acceptance recommended.
B-2895-BV JGO	8	Packing, braided asbes. rod- Cont. 73866- Garlock Packing Co., contr. & mfr.- for NYd, Phila. (7)- Acceptance recommended.
B-2895-BW JGO	12	Packing, plastic metallic, for NYd, Boston- Cont. 73866- Garlock Packing Co., contr.- Acceptance recommended.
B-2895-BX JGO	12	Packing, braided asbes. rod- Cont. 73866- Garlock Packing Co., contr. & mfr.- Acceptance recommended.
B-2895-BY JGO	14	Packing, braided asbes. rod- Cont. 73866- Garlock Packing Co., contr. & mfr.- for NYd, Bremerton, Wash. (7)- Acceptance recommended.
B-2895-BZ JGO	15	Packing, braided asbes. rod- Cont. 37866- for various NYds.- Garlock Packing Co., contr. & mfr.- acceptance recommended.
B-2895-CA JGO	20	Cont. 73866- Plastic metallic packing- Garlock Packing Co., contr.- Acceptance recommended.
B-2895-CB JGO	19	Packing, plastic metallic, for NYd, Boston- Cont. 73866- Garlock Packing Co., contr.- Acceptance recommended.
B-2895-CC JGO	19	Packing, braided asbes. rod, Cont. 73866- Garlock Packing Co., contr. & Mfr.- for NYd, Boston, Mass.- acceptance recommended.
B-2895-CD JGO	26	Cont. 73866- Packing, braided asbes. rod- for NYd, Brooklyn- Garlock Packing Co., contr. & mfr.- Acceptance recommended.
B-2895-CE JGO	28	Cont. 73866- Braided asbes. rod packing for NYd, Bremerton, Wash.- Garlock Packing Co., contr.- Acceptance recommended.
B-2895-CF JGO	29	Cont. 73866- Hydraulic packing for San Diego- Garlock Packing Co. Acceptance recommended.
B-2896-C JGO	22	Cont. 73867- Compressed asbes. sheet packing for Puget Sound #5- Johns Manville, contr.- Acceptance recommended.
B-2896-D JGO	27	Cont. 73867- Plant fiber sheet packing for Norfolk- Johns Manville mfr.- Acceptance recommended.
B-2903-C JBL	25	Meters, fuel oil- Calib. after trials SS EXECUTOR, Beth. #1483- Before trials SS EXAMINER, Beth. #1484- Beth. Steel Co., builder- No recommend
B-2905-G JGO	12	Cont. NOS- 73783- Motor gasoline (Motor Fuel V) for U.S. Naval Acade my- American Oil Co., contr.- Acceptance recommended.
B-2929-G JBL	15	Cont. N220s-54059- MI Reqn. NSA 2123(40) Sched. 1813, Pressure redde ing valves- Grove Regulator Co., contr.- Acceptance recommended.

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