

C-35-1



METAL IMPROVEMENT COMPANY

LONG ISLAND DIVISION
SUBSIDIARY OF CURTISS WRIGHT CORPORATION
280 ADAMS BOULEVARD
FARMINGDALE, L. I., NEW YORK 11735
PHONE: (516) 293-4990 TELEX: 94 1489
SHOT-PEENING SERVICE

JOB NO.

44112

TERMS: NET 30 DAYS	WHEN REMITTING PLEASE USE THIS INVOICE NO. 3	INVOICE NO. 3	INVOICE DATE
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SOLD TO
SAME AS "SHIP
TO" UNLESS
NOTED

LONG ISLAND LIGHTING CO.
P.O. BOX 604
HADING RIVER, NEW YORK 11702

SHIP TO

YOUR P.O. NO. 006801-1	JOB NO.	SHIPPER NO.	SHIPPED VIA	COLLECT	PREP	YOUR F. & B. DEL.	DATE SHIPPED
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ITEM NO.	QUANTITY	PART NO. DIMENSIONS, ETC.	DESCRIPTION
		New Crankshaft for diesel generators J 101	<p>WE HAVE PROCESSED THE FOLLOWING PARTS</p> <p>SERVICES OF OUR FIELD CREW TO PEEN OUR CRANKSHAFT, AT YOUR FACILITY, TO BE DISMANTLED, AND SENT FOR REPAIR SEASON 1965-1966 SUPPLIES</p> <p>Metal Improvement Company has been notified that the work is con- firmed in accordance with the following intensification are verified by the en- closed ALMEN STRIP. 100% min. Surface was verified by the ALMEN method and checked by O.Q.A., F.A.A., a Test Engineer. No other warranties are given or implied.</p>
CERTIFICATION			ALMEN STRIP(S)

SEE ENCL. 2
ATTACHED

SERIAL NUMBERS

Q.C. INSPECTOR _____ FOR REPAIR STATION NO. _____

THE PART(S) IDENTIFIED ABOVE WERE SHOT PEENED IN ACCORDANCE
WITH AS PER BELOW THIS WORK PERFORMED ON THE PART(S) LISTED
ABOVE WAS INSPECTED IN ACCORDANCE WITH THE CURRENT F.A.A.
REGULATIONS AND IS APPROVED FOR RETURN TO CUSTOMER

The shot peening was accomplished under controlled conditions to saturation and in accordance with the following specifications:

SHOT SIZE		INTENSITY		PER		PER		DATE REC'D	
M1 550		.008 to .010 C		MIL-S-13165B		GSS5310A			
SHOT SIZE		INTENSITY		PER		PER		DATE CERTIFIED	
				G-T 501		BAC-5730		10/27/68	
SHOT SIZE		INTENSITY		MIC PROC SHEET NO.		CERTIFIED BY			
		8503280449 840920				R. T. Tork 10			
		PDR ADCK 05000322							
		Q							

REMARKS DURING LOG

	DATE	TIME	OPERATOR	AMPRES	INTENSITY	EXPOS
A	10/26/83	0300	DAVID ANDRESEN	60 PSI	.009 C	1 m.
B	10/26/83	0820	CHUCK BROWN	60 PSI	.008 C	1 m.
C	10/26/83	0825	" "	60 PSI	.008 C	2 m.
D	10/26/83	1230	" "	60 PSI	.008 C	1 m.
E	10/26/83	1920	" "	60 PSI	.009 C	1 m.
F	10/27/83	1000	" "	60 PSI	.008 C	1 m.

* NO RISE IN INTENSITY WHEN DOUBLING TIME
INDICATES COMPLETE SATURATION.

(See Reverse Side for Certificate)

Test Conditions: LAB. AMBIENT
Test Procedures: MFR'S SPECIFICATION

Tested by *CT*
W. O. No.

PRE-CAL. CHECK: *also response*

rusty shaft.

accy = 1/2 in

FONDA Gauge Blocks

NBS 738/228946 8/31/83-8/30/84

Remarks:

Test No.	Date	Description	Manufacturer	Model	Identification	Due Date
310141	11/1/81	DIAL IND	FEDERAL	CB1	JC-1	4/1/84

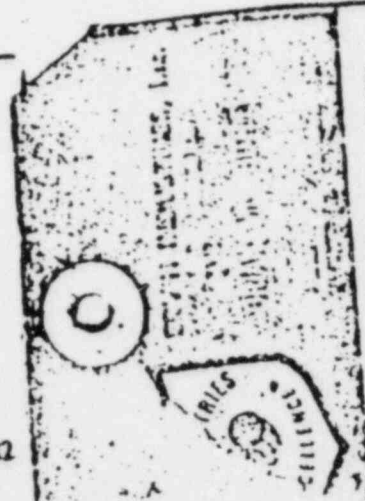
CAST STEEL
PEENING SHOT

SIZE: *MIL-550*

FIG. BY *ALLOY METAL ABRASIVE*
FOR METAL IMPROVEMENT CO.

PURCHASE ORDER No. *43378*

THIS SHOT MEETS
METAL IMPROVEMENT CO.
PURCHASE SPECIFICATION No. QCO-01-11A
IRER'S INSPECTOR: *GR* DATE: *OCT 27 '82*



NUIRE ELECTRIC FURNACE ALLOY STEEL

Metal Improvement Company
Long Island Division
200 Adams Blvd.
Farminale, L.I., New York 11735

SPECIAL

P.O. # 13378
(45-55 R/C)

Anastool Shot
S-550-MIL



CTWS

C-35-3

(See Reverse Side for Certificate)

Test Conditions: LAB. AMBIENT
Test Procedures: MFR'S SPECIFICATION

Tested by: 6.77
W. O. No.:

PreCo	Check	Unit	vs:	found to be				
Operating within Mfg. Spec.								
0-100	0.147			0-100	0.147			0-500000
100	5.70			50.0	5.70			50.0
1	1.0			10	10.05			100.15
5	3.0			50	50.0			500.0
5	5.0			50	50.0			500.0
7	7.0			70	70.0			700.0
10	10.0			100	100.0			1000.0
MASS 4/12/02 0-4m/04								
NBS# 221514								

Remarks

Test No.	Date	Description	Manufacturer	Model	Identification	Due Date
301304	1/14/83	DECORATING	04405	26106		7/17/83



METAL IMPROVEMENT COMPANY

MATERIAL TESTED-MIC SIZE <u>550</u> DATE <u>9/29/82</u>		TEST NUMBER <u>10085</u>	
CAST STEEL SHOT, <u>45</u> TO <u>55</u> RC HARDNESS			
MIC P.O. NUMBER <u>13378</u>	SUPPLIER <u>AMA</u>	QUANTITY <u>5T</u>	DESTINATION <u>FARMINGDALE NY</u>
1.			
2.			
3.			
4.			

PURPOSE OF TEST: TO MEASURE COMPLIANCE WITH M.I.C QCC-01 - 11A SPECIFICATION

RC EQUIVALENT OF VICKERS D.P.H AT 500 GMS			
1	50 Rc	11	49 Rc
2	51 Rc	12	51 Rc
3	47 Rc	13	49 Rc
4	49 Rc	14	47 Rc
5	49 Rc	15	49 Rc
6	47 Rc	16	51 Rc
7	49 Rc	17	51 Rc
8	49 Rc	18	49 Rc
9	51 Rc	19	45 Rc
10	49 Rc	20	47 Rc

SIEVE TESTS				
SCREEN SIZE	REQUIRED	ACTUAL ON SCREEN	CUMULATIVE TOTALS	COMMENTS
8	ALL PASS	AP	0	
10	2% MAX	AP	0	
12	50% MAX	3.7	3.7	
14	90% MIN	92.9	96.6	
16	8% MAX	3.4	100.0	
PAN				

NUMBER OF DEFORMED SHOT		
PER-SQUARE INCH	MAXIMUM	ACTUAL
1"	12	11

COMMENTS:

CONCLUSION:
THE SAMPLE OF THE ABOVE SHOT MEETS/ ~~DOES NOT MEET~~ MIC SPECS FOR SIZE, HARDNESS, CONFIGURATION, CHEMISTRY, MICROSTRUCTURE AND DENSITY.

SIGNED

A. M. Buchholz
A. M. BUCHHOLZ, DIV. MANAGER

SIGNED

Al. Z. Zivier
SUPERVISOR, etc.

DATE 10/26/83 MI-550 SID HARDNESS (45-52 R_c)

SCREEN NO:	DESCRIPTION.	% ON SCREEN	CUM.
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8	ALL PASS	0%	
10	2% MAX.	0%	
12	50% MAX.	8%	
14	90% MIN. CUM.	89%	97%
16	8% MAX.	3%	
PAN.	TRACE	0%	

TEST PERFORMED ON SITE 10/26/83

BY RAY TODD -

R.T.D.
10-26-83

NUCLEAR REGULATORY COMMISSION

Docket No. 50-322-OL Official Exh. No. C-36
 In the matter of LILCO - Shoreham
 Staff _____ IDENTIFIED ✓
 Applicant ✓ RECEIVED ✓
 Intervenor _____ REJECTED _____
 Cont'g Off'r _____
 Contractor _____ DATE 9-20-84
 Other _____ Witness Panel
 Reporter ACE