

Westmoreland Mechanical Testing & Research, Inc.

P.O. Box 388
Westmoreland Drive
Youngstown, Pa. 15696-0388 U.S.A.
Telephone: 724-537-3131 Fax: 724-537-3151
Website: www.wmtr.com
WMTR is a technical leader in the material testing industry.

September 13, 2005

MetalTek International
The Carondelet Division
8600 Commercial Blvd.
1-55 Industrial Park
Pevely, MO 63070-1528

Attention: Jim Galaske

Subject: All processes, performed upon the material as received, were conducted at WMT&R, Inc. in accordance with the WMT&R Quality Assurance Manual, Rev. 9, dated 4/1/2000.
The following tests were performed on this order: IMPACT and TENSILE

IMPACT RESULTS: ASTM E23-02

REQUIREMENTS: Energy (Min 35JMax ---)

MATERIAL: Lincoln LNM4455

SAMPLE TYPE: Charpy V-Notch

Reference	Lot No. Batch No. Specimen ID	Test Log Number	Sample Size	Temp. °F	Energy ft-lbs	Mils Lat Exp	% Shear Fracture	AVUR
Lincoln LNM4455	3018926 78309 Cvn-1	C43939	Standard	-320	56	18	40	Acceptable
Lincoln LNM4455	3018926 78309 Cvn-2	C43940	Standard	-320	52	18	40	Acceptable
Lincoln LNM4455	3018926 78309 Cvn-3	C43941	Standard	-320	53	12	40	Acceptable

DISPOSITION: Acceptable

Requirements supplied by MetalTek International.

CERTIFICATION

WMT&R Report No. 5-34328
P.O. No. 19386 Rel No. 18
Requisition No. 4934

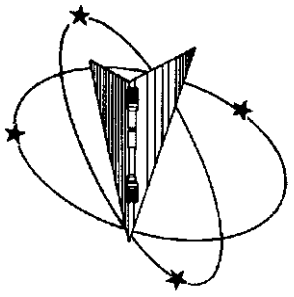


621-01 & 621-02


Roy E. Starn, Matt Wagoner
Technical Services Manager / Tensile Supervisor
September 13, 2005

KNOWINGLY OR WILLFULLY FALSIFYING OR CONCEALING A MATERIAL FACT ON THIS FORM OR MAKING FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR REPRESENTATIONS HEREIN COULD CONSTITUTE A FELONY PUNISHABLE UNDER FEDERAL STATUTES. THIS CERTIFICATE OR REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF WMTR, INC.

Testing Specialists for Aerospace, Automotive, and Material Testing Fields
Locations in Youngstown, PA U.S.A. ~ Tel. (724) 537-3131 and
Banbury U.K. ~ Tel. +44 (0) 1295 261211



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 Pevely, MO 63070-1528

CERTIFICATION

WMTR Report No. 5-34328
 P.O. No. 19386 Rel No. 18
 Requisition No. 4934

Attention: Jim Galaske
 Subject: All processes performed upon the material as received, were conducted at WMTR, Inc. in accordance with the WMTR Quality Assurance Manual, Rev. 9, dated 4/1/2000.
 The following tests were performed on this order: IMPACT and TENSILE

TENSILE RESULTS: ASTM E21-03a
 Requirements: UTS ksi (Min 95Max ---) 0.2% YS ksi (Min 72Max ---) 4D Elong. % (Min 32Max ---) Modulus Msi (Min 21Max ---)
SOAK TIME: 5 Minutes
SPEED OF TESTING: 0.0030 in./in./min., 0.0500 in./min./in.
MATERIAL: 316 S/S
DISPOSITION: Acceptable

Reference	Lot No. Batch No. Specimen ID	Testlog Number	Temp. °F	UTS ksi	0.2% YS ksi	Elong %	RA %	Modulus Msi	Ult. Load lbf	0.2% YLD. lbf
Lincoln LNM4455	3018926 78309 Tensile	C43938	-320	182.1	128.2	34	24	27.0	17560	12360

AUUR: A=ACCEPTABLE; U=UNACCEPTABLE; R=REPORT
 DISPOSITION: Acceptable

Reference	Lot No. Batch No. Specimen ID	Testlog Number	Orig. Dia. (in.)	Final Dia. (in.)	4D Orig. GL (in.)	4D Final. GL (in.)	Orig. Area (sq. in.)	Machine Number	AUUR
Lincoln LNM4455	3018926 78309 Tensile	C43938	0.3504	0.3048	1.40	1.87	0.09643131	M9	A

Requirements supplied by MetatTek International.

[Signature]
 ROY E. STAMMART
 Tensile Supervisor
 September 13, 2005

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