

Issued: 01/01/11
FF-0028

Frazier & Frazier Ind., Inc.

Revised: 09/14/2022

175 32159-001
32960009
175 32160-001
32960010

METALLURGICAL TEST CERTIFICATION

An ISO 9001 Registered Company

P. O. Box 279

Coolidge, Texas 76635

(254)786-2293

Manufactured with Pride in the USA

Customer: R&M ENERGY-BORGER P. O. No.: 4032438 ✓
 Part No.: 120B 32990104 ✓ Tap No.: 07 F3
 Cast Date: 10/31/2022 Material: ASTM A395 60-40-18 ✓
 Heat No.: A Y Z ✓ Quantity: 223 PCS.

CHEMICAL ANALYSIS:

C	Si	Mn	S	P	Ni	Cr	Mo
3.74	2.61	.344	.011	.019	.041	.033	.013

Cu	Al	Mg	Ti	Pb	Sn	Bi	Ce
.114	.011	.049	.018	.010	.007	.002	.003

MECHANICAL PROPERTIES:

Condition	Diameter	U.T.S. (psi)	Y.S. (psi)	% Elongation	BHN
GOOD	.499	68,426 ✓	48,584 ✓	19.00 ✓	174 ✓

Remarks:

Tests were performed in accordance with current ASTM A395 60-40-18 specifications and met the requirements of the same.

Signed: Malissa K. Long
 Title: Quality Specialist
 Date: 01/04/2023



Reviewed and Approved by
TS 1-6-23