

Issued: 01/01/11
FF-0028

Frazier & Frazier Ind., Inc.

Revised: 09/14/2022

17532108-001
32960370

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 17523669-001	P. O. No.:	7256393 ✓
Part No.:	120 32990518	Tap No.:	25 F5
Cast Date:	03/19/2014	Material:	ASTM A536-65-45-12 ✓
Heat No.:	3 K R	Quantity:	195 PCS.

CHEMICAL ANALYSIS:

C	Si	Mn	S	P	Ni	Cr	Mo
3.76	2.58	.336	.030	.063	.030	.054	.002
Cu	Al	Mg	Ti	Pb	Sn	Bi	Ce
.115	.011	.050	.007	.003	.019	.010	.00120-.02

MECHANICAL PROPERTIES:

Condition	Diameter	U.T.S. (psi)	Y.S. (psi)	% Elongation	BHN
GOOD	.500	67,351 ✓	45,369 ✓	19.95 ✓	183

Remarks:

Tests were performed in accordance with current ASTM A536 65-45-12 specifications and met the requirements of the same.

Signed: Malissa K. Long
 Title: Quality Specialist
 Date: 01/06/2023



Reviewed and Approved By:

TL 1-6-23