



METALS TECHNOLOGY TESTING LTD

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SAMPLE ONLY

TEST REPORT

Customer Super Metals Ltd 3 Sainsbury St, North Henley Ind. Est. Sheffield S9 5PN	Job/Cert No. 56156	Date Received 3/7/03
	Customer O/No 5926	Date Reported 24/5/04

Lab No/Customer id/Specification	C%	Si%	Mn%	P%	Cr%	Ni%						
PVL5204/ YF 23-3/ ASTM A439 D2	2.87	1.92	0.91	0.020	1.80	18.31						

Lab No/Customer id M9597/ YF 23-3	Yield/Proof		UTS		%Elongation		%ROA	
	minimum	result	minimum	result	minimum	result	minimum	result
	0.2% KSI	30	41.5	KSI	58	60.8	8	9.0
Specification ASTM A439 D2	Charpy Impact		Hardness		Other Tests			
	minimum	result	minimum	result	minimum	result	minimum	result

Comments1

Diameter - 12.50mm. Area - 122.7mm²
Gauge Length - 50mm. Tensile results taken Job No. 56341.
Supplement to test report, Serial Number 56156,
Date reported 10/7/03. Conforms to BSEN10204 3.1.B.

Comments2

Samples Represent: - 2 off 4" Half Yoke IE18189, 1 off 4" WGV Cover IE18165, 1 off 4" WGV Body IE 18161, 1off 8" WGV Cover IE18157, 1 off 8" WGV Body IE18156.
For Sealand ENGG O/No. - 03300. Super Metals O/No. 03/06022.

Method of Analysis

OES	<input type="checkbox"/>
Combustion	<input type="checkbox"/>
Wet Chemical	<input type="checkbox"/>
UV-Vis	<input type="checkbox"/>
AAS/AES	<input type="checkbox"/>

Approved Signatories

S. Charity - Chief Chemist	<input type="checkbox"/>
M. Collier - Lab.Manager	<input type="checkbox"/>
R. White - Tech.Manager	<input type="checkbox"/>
G. R. Tinker - Man.Director	<input type="checkbox"/>

Unless indicated by underlining all the above results conform to the stated specification. The test results quoted on this report relate only to the samples tested. This test report shall not be reproduced (except in full), without written approval of the laboratory.

Method of test - Mechanical- (Current Issues)

BSENISO6508-1	<input type="checkbox"/>	BSEN10045-1	<input type="checkbox"/>	ASTM E10	<input type="checkbox"/>	ASTM E21	<input type="checkbox"/>
BSEN10002-1	<input type="checkbox"/>	BSENISO6506-1	<input type="checkbox"/>	BSENISO6507-1	<input type="checkbox"/>	ASTM E23	<input type="checkbox"/>
BS131-Pt1	<input type="checkbox"/>	ASTM E18	<input type="checkbox"/>	ASTM E8M	<input type="checkbox"/>	ASTM A370	<input type="checkbox"/>

Signed.....