



SPAN FORGING PVT. LTD.

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Mfrs. of : Steel Forgings, CNC Turned Components, Centrifugal Casting of alloy steel

Works : Village Tatarpur (Near Prithla) Teh. & Distt. Palwal

E-mail : spanforging@rediffmail.com

TEST REPORT

Ref. No. Date.....

Issued to: M/s X-CELL India
Subhadra Estate, Sec-58
Samaipur Road, Ballabgarh

Report No.

844

D..O.T.

27/9/2011

D..O.R

Sample Description

DIA 40MM

Sample No.

6700

Heat No.

C25M-2

PART NAME

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0187
Silicon	0.131
Sulphur	0.0019
Phosphorus	0.0146
Manganese	0.374
Nickel	43.79
Chromium	22.35
Molybdenum	3.48
Vanadium	0.036
Copper	1.67
Tungsten	0
Cobalt	0.257
Aluminium	0.134
Titanium	1.19
Iron	26.37

Checked By

Autorised Signatory

for S(Q.M / T.M.) ng Pvt. Ltd

Has Singh
Director

1. The result limited refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
3. The report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope.



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Reg. in England No: 1919677 VAT Reg. No.: 715 8575 10

SERIAL NO. 250989-0001

CERTIFICATE OF CONFORMITY

Customer		Consignee		Customer order number 2175		Alivac Order number 250989-0001																		
Description of material supplied: 40 Bar				Specification ASTM B425 2010 UNS NO.8825 ASTM B564 2010 UNS NO.8825 NACE MR0175-2003																				
32mm Diameter. Tolerance: K12 Length: 511mm Weight: 1410 kg Annealed, Peeled.				Process Vacuum Induction Melted / Electroslag Remelted.																				
Cast no	C	Si	Mn	P	S	Cr	Mo	Ni	Al	B	Co	Cu	Nb	V	W	Ti	Zr	Ca	Mg	Se	Ta	Fe	Nb+Ta	
C25M-2 Top	.014	.21	.46	.002	.0001	21.82	3.05	38.90	.13			1.75				1.01							32.56	
Test No	Tensile Size	R _{p0.2} %	R _m	A	Z	Impact M/R	Hardness Test piece On Bars	Notch tensile	Creep / rupture tests	D=Discontinued F=Fractured														
AC2666	inch	Ksi	Ksi	4D%	%	Charpy 2Mv	HBW10/3000 M/R																	
T-transverse		Yield	Tensile																					
L-longitudinal																								
L(1)	.500	40	94	55	59		178																	
L(2)	mm 10	MPa 277	MPa 648	50D% 50	58		178																	
Hot Working Method : Rolled, Annealed, Peeled Heat Treatment Chart/Ultrasonic Report. MECH TEST PERFORMED FROM BAR PROLONGATION																								
Heat Treatment on Bars: Anneal 980°C for 1H / Water Quenched. (Contact Thermocouple) Heat Treatment Batch Number: 250989/0001 Furnace Calibration per API6A Annex P												Metallographic: Macro Etch/Canada Etch Satisfactory to ASTM A604 Class 1 - 4 = A at top & bottom positions. Grain Size: E = ASTM 5.0, MR = ASTM 6.5, C = ASTM 6.0						Non Destructive Tests: Ultrasonic: Satisfactory The material has been furnished in accordance with the requirement. Antinixing testing performed : OK						

Certified that, unless stated above, the whole of the above-mentioned materials have been manufactured, tested and inspected in accordance with the terms of the contract/order applicable thereto and conform fully to the standards/specifications quoted hereon. The quality control arrangements adopted in respect of these supplies have accorded with the following conditions:-

Signed *R. Fairhead* Dated 7 June, 2011
FOR AND ON BEHALF OF ALLVAC Ltd.

R. Fairhead (Mr)
7 June, 2011