



# SPAN FORGING PVT. LTD.

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

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

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## TEST REPORT

Ref. No. ....

Date.....

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

Report No.

D.O.T.

844

27/9/2011

D.O.R

Sample Description

DIA 40MM

Sample No.

6700

Heat No.

C25M-2

PART NAME

## RESULTS

Chemical Analysis  
By Spectrometer

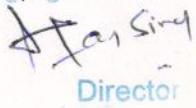
Sample ID

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)ing Pvt. Ltd

  
Har Singh

Director

1. The result listed 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.

**Customer** **Consignee** **CERTIFICATE OF CONFORMITY**

Customer order number	Allvac Order number
2175	250989-0001
<b>Specification</b>	<b>Process</b>
ASTM B425 2010 UNS N0.8825 ASTM B564 2010 UNS N0.8825 NACE MR0175*2003	Vacuum Induction Melted / Electroslag Remelted.

 Description of material supplied:  
 40 Bar 32mm Diameter. Tolerance: K12 Length: 511mm Weight: 1410 kg Annealed, Peeled.

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	.014	.21	.46	.002	.0001	21.82	3.05	38.90	.13		1.75				1.01						32.56		
Test No	Tensile Size	$R_{p0.2\%}$	Rm	A	Z	Impact M/R																	
AC2666	inch	Ksi	Ksi	40%	%	Charpy 2Mv	HBW10/3000	HBW10/3000															
T-transverse																							
L-longitudinal																							
L(1)	.500 mm	40 Mpa	94 Mpa	55 5D%	59 50		178																
L(2)	10	277	648	50	58		178																

Hot Working Method : Rolled, Annealed, Pealed

 Heat Treatment Method: Annealed, Pealed  
 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.  
 Antimixing 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 standard/specifications quoted hereon. The quality control arrangements adopted in respect of these supplies have accorded with the following conditions:-