



# SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

Works : Village - Tatarpur (Near Prithla) Teh. Palwal, Distt. Faridabad, Cell : 9810010535

Ref. No. ....

Date.....

## TEST REPORT

Issued to: M/s Nov Sara India Pvt Ltd. 7/1, Pritam Road, Unit-II Dehradun-248001	Report No. <b>251</b>	D.O.T. <b>6/5/2011</b>
Sample Description <b>AISI-1008</b>	Sample No. <b>006032</b>	D.O.R <b>5/12/2011</b>
		Heat No. <b>S-370-A</b>

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0532
Silicon	0.178
Sulphur	0.0381
Phosphorus	0.0242
Manganese	0.366
Nickel	0.0096
Chromium	0.0075
Molybdenum	0.002
Vanadium	0.0015
Copper	0.001
Tungsten	0
Cobalt	0.0035
Aluminium	0.0207
Titanium	0.001
Iron	99.20



Autorised Signatory  
(Q.M / T.M )

Checked By  
Arun Mishra

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.



# SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUOHIANA - 141 010.  
E-mail : Info@sharusteels.com & sharusteels@connect2.dsl.net

QUALITY ASSURANCE DEPARTMENT  
METALLURGICAL TEST REPORT

F-QCD-03



IS 6891-2004

ISO 14001-2004

## TEST CERTIFICATE

M/S. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1, PRITAM ROAD, DEHRADUN UTTARAKHAND				T.C. No. 1501	Date 30-07-2011
				Invoice No.	
GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.
HRB500	32 MM	S-378	L/HT	ORANGE	AS ROLLED
					5025
NO. OF PCS.					

CHEMICAL COMPOSITION IN PERCENTAGE															
	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.49	0.48	0.025	0.034	0.21				0.022						

METALLURGICAL RESULTS										Aust. Grain Size ASTM No. (E-112)	?	Gas content (ppm)		
INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A														
STD MAX	A		B		C		D		Decarb. (MM)	Micro-Structure	OK	O2		
	T	H	T	H	T	H	T	H						
	STD MAX											N2		
ACTUAL	1.5		1.0		1.5		1.0					H2		

MECHANICAL PROPERTIES							MACRO	ULTRASONIC TEST	MIX UP TEST
	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R.B			
Reqd.							OK	OK	OK
Actual									

HARDENABILITY (HRC) AS PER IS : 3848									
Distance									
Regd.							*		
Actual									
Remarks :									

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS CARRIED OUT ON SAMPLES DRAWN AS PER Q.A.P.	PREPARED BY	APPROVED BY
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