



# SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

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

## TEST REPORT

Ref. No.....

Issued to: M/s Nov Sara India Pvt.Ltd. A/2 Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	Report No. 732	D.O.T. Date..... 11/8/2011
Sample Description AISI-1008	Sample No. 6558-A	D.O.R 10/8/2011
		Heat No. S-198-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0779
Silicon	0.246
Sulphur	0.0343
Phosphorus	0.0283
Manganese	0.444
Nickel	0.0387
Chromium	0.131
Molybdenum	0.009
Vanadium	0.0028
Copper	0.0505
Tungsten	0
Cobalt	0.0056
Aluminium	0.0174
Titanium	0.0015
Iron	98.90

Checked By  
Arun Mishra



Authorised Signatory  
(Q.M / T.M )

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-46 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.  
E-mail : [info@sharusteels.com](mailto:info@sharusteels.com) & [sharusteels@connect2.dsl.net](mailto:sharusteels@connect2.dsl.net)

**QUALITY ASSURANCE DEPARTMENT  
METALLURGICAL TEST REPORT****TEST CERTIFICATE**

M/S. KDV SARA INDIA PRIVATE LIMITED (UNIT NO -317/1, PRITAM ROAD, DEHRADUN, UTTARAKHAND)	T.C. No. 2992	Date 06-12-2011
Invoice No.		
Truck No.		

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN	QNTY. M.T.	NO. OF PCS.
AISI-1008	68 MM	S-198	L/H	ORANGE	AS ROLLED	6670	LOGUE

**CHEMICAL COMPOSITION IN PERCENTAGE**

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.09	0.40	0.019	0.020	0.15				0.022						

**METALLURGICAL RESULTS**

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	7	Gas content (ppm)		
STD MAX	A		B		C		D		Decarb. (MM)	OK	O <sub>2</sub>	N <sub>2</sub>
	T	H	T	H	T	H	T	H			O <sub>2</sub>	N <sub>2</sub>
	ACTUAL	1.0	1.0	1.0	1.0	1.5	1.5	1.5			H <sub>2</sub>	

**MECHANICAL PROPERTIES**

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness S.H.N. / R <sub>0.05</sub>	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.							OK	OK	OK
Actual									

**HARDENABILITY (HRC) AS PER IS : 3848**

Distance									
Reqd.									
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

AUTHORISATION STAMP