



# 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. 478	D.O.T. 6/6/2011
		D.O.R 5/6/2011
Sample Description 1008	Sample No. -6253-A 6252	Heat No. S-661-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0472 ✓
Silicon	0.153 ✓
Sulphur	0.0228 ✓
Phosphorus	0.0229 ✓
Manganese	0.384 ✓
Nickel	0.0085
Chromium	0.007
Molybdenum	0.002
Vanadium	0.0005
Copper	0.0024
Tungsten	0
Cobalt	0.0037
Aluminium	0.021
Titanium	0.001
Iron	99.30



Authorised 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, 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. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1, PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 1988	Date 07-09-2011
	Invoice No.	Truck No. PB 1022.9496

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI-1008	63 MM	S-661	L/HT	WHITE	AS ROLLED	8.380	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE															
	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.18	0.42	0.035	0.034	0.16					0.028					

METALLURGICAL RESULTS										Aust. Grain Size ASTM No. (E-112)	7	Gas content (ppm)				
A	B		C		D		Decarb. (MM)	O <sub>2</sub>	N <sub>2</sub>	H <sub>2</sub>						
	T	H	T	H	T	H	T									
STD MAX																
ACTUAL	1.5	1.4	1.5	1.5			1.5									

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

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	 AUTHORIZED SIGNATORY
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