



# 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.	Report No.	Date
Issued to: M/s Nov Sara India Pvt. Ltd.		D.O.T.
A/2Sara Industrial Estate Ltd.	714	11/8/2011
Chakrata Road, Rampur -		D.O.R
Selaqui Dehradun-248001		10/8/2011
Sample Description	Sample No.	Heat No.
AISI-1008	6552-A	S-179-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O. No.

<u>Element</u>	<u>%</u>
Carbon	0.0816
Silicon	0.232
Sulphur	0.0361
Phosphorus	0.0304
Manganese	0.441
Nickel	0.0407
Chromium	0.13
Molybdenum	0.0092
Vanadium	0.0029
Copper	0.0499
Tungsten	0
Cobalt	0.0062
Aluminium	0.0174
Titanium	0.0013
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-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.  
E-mail : info@sharusteels.com & sharusteels@connect2.dsl.net

## QUALITY ASSURANCE DEPARTMENT METALLURGICAL TEST REPORT

F-QCD-03



### TEST CERTIFICATE

M/S. HOY SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 2099 Invoice No. 2068	Date 06-12-2011
	Truck No. P610CF-6557	

GRADE	SIZE	HEAT NO	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN	QNTY M.T.	NO. OF PCS.
A333-1000	50 MM	S-179	L/HT	YELLOW	AS ROLLED	6525	LOOSE

#### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Ca	Sri	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.09	0.41	0.028	0.020	0.15				0.028						

#### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	?	Gas content (ppm)		
STD MAX	A		B		C		D		Decarb. (MM)	?	O <sub>2</sub>	N <sub>2</sub>
	T	H	T	H	T	H	T	H			O <sub>2</sub>	
	1.8		1.8		1.8		1.5				OK	
ACTUAL	1.8		1.8		1.8		1.5				OK	

#### MECHANICAL PROPERTIES

	UTS.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R <sub>o</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

*Manik*  
AUTHORISED SIGNATORY