



# 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.	D.O.T. Date.....
Issued to: M/sNov Sara India Pvt.Ltd. A/2Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	738	11/8/2011
Sample Description	Sample No.	Heat No.
AISI-1008	6560-A	S-205-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0884
Silicon	0.27
Sulphur	0.0378
Phosphorus	0.0312
Manganese	0.446
Nickel	0.0417
Chromium	0.131
Molybdenum	0.0099
Vanadium	0.0029
Copper	0.0505
Tungsten	0
Cobalt	0.0061
Aluminium	0.0171
Titanium	0.0016
Iron	98.80

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. SARA SAE PRIVATE LIMITED DIVISION-II A-2 SARA INDUSTRIAL ESTATE LTD. CHAKRATA ROAD, SELAQUI RANPUR  DEHRADUN (UTTRAKHAND)	T.C. No. 3417  Invoice No. 2509	Date 31-01-2012
	Truck No. PB-19E 909	

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI-1008	60 MM	S-205	L/HIT	BROWN	AS ROLLED	81.00	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	0.47	0.033	0.035	0.13					0.020					

METALLURGICAL RESULTS										Aust. Grain Size ASTM No. (E-112)	?	Gas content (ppm)
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)	Micro-Structure	OK	O <sub>2</sub>
	T	H	T	H	T	H	T	H				N <sub>2</sub>
	ACTUAL	1.5	1.0	1.0	1.0	1.5						H <sub>2</sub>

MECHANICAL PROPERTIES							MACRO	ULTRASONIC TEST	MIX UP TEST
	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R <sub>o</sub>			
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.		
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