



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.....
sued to: M/s Nov Sara India Pvt Ltd.	711	D.O.T.
A/2Sara Industrial Estate Ltd.		11/8/2011
Chakrata Road, Rampur -		D.O.R
Selaqui Dehradun-248001		10/8/2011
ample Description	Sample No.	Heat No.
AISI-1008	6551-A	S-174-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID J.O No.

Element	%
Carbon	0.0852
Silicon	0.232
Sulphur	0.0352
Phosphorus	0.0292
Manganese	0.443
Nickel	0.0402
Chromium	0.129
Molybdenum	0.0089
Vanadium	0.0032
Copper	0.0499
Tungsten	0
Cobalt	0.0059
Aluminium	0.0162
Titanium	0.0016
Iron	98.90

Checked By
Arun Mishra



Autorised Signatory
(Q.M / T.M)

The results listed refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
The report can not be used as an evidence in a court of law.
Samples will be destroyed after 15 days.
Any Complaints about this report should be communicated within 7 days of issue of this report.
This report shall not be reproduced except in full, without the written permission of the Laboratory.
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. NOV SARA INDIA PVT.LTD. UNIT-III, A/2 CHAKRATA ROAD RAMPUR, SELAQUI, DEHRADUN-248 197				T.C. No. 2547	Date 05-11-2011
				Invoice No.	
				Truck No. PB-23L-969/	

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
SAE1008	30X30 MM	S 174	L/HT	YELLOW	AS ROLLED	8150	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.08	0.47	0.022	0.032	0.20					0.024					

METALLURGICAL RESULTS

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

MECHANICAL PROPERTIES

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

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Regd.									
Actual									

Remarks :