



# 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.

233

D.O.T.

6/5/2011

D.O.R

5/12/2011

Sample Description

AISI-1008

Sample No.

006026

Heat No.

S-346-A

## RESULTS

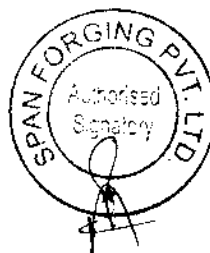
Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0534
Silicon	0.173
Sulphur	0.0412
Phosphorus	0.0247
Manganese	0.362
Nickel	0.0099
Chromium	0.008
Molybdenum	0.002
Vanadium	0.0013
Copper	0.001
Tungsten	0
Cobalt	0.0034
Aluminium	0.0219
Titanium	0.001
Iron	99.20

Checked By  
Arun Mishra



Autorised 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 RAMPUR DEHRADUN (UTTARAKHAND)	T.C. No. 3522 Date 08-02-2012 Invoice No. - 2518-1-1 Truck No. PB19E-9097
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
ATSI-1008	56 MM	9-346	L/HT	YELLOW	AS ROLLED	6.700 MT	LOOSE

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.09	0.45	0.022	0.034	0.17					0.030					

### 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 <sub>2</sub>
T	H	T	H	T	H	T	H	T	H			N <sub>2</sub>
STD										Micro-Structure	OK	H <sub>2</sub>
MAX												
ACTUAL	1.0		1.5		1.0		1.5					

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

### HARDENABILITY (HRC) AS PER IS : 3048

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