



# 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. A/2Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	726	11/8/2011
		D.O.R
		10/8/2011
Sample Description	Sample No.	Heat No.
AISI-1008	6556-A	S-191-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0798
Silicon	0.251
Sulphur	0.0403
Phosphorus	0.0325
Manganese	0.449
Nickel	0.0412
Chromium	0.13
Molybdenum	0.0097
Vanadium	0.0026
Copper	0.0501
Tungsten	0
Cobalt	0.0057
Aluminium	0.0171
Titanium	0.0015
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](mailto:Info@sharusteels.com) & [sharusteels@connect2.dsl.net](mailto:sharusteels@connect2.dsl.net)  
 QUALITY ASSURANCE DEPARTMENT  
 METALLURGICAL TEST REPORT

F-QCD-03



## TEST CERTIFICATE

M/S. SARA CAE PRIVATE LIMITED DIVISION II A 2 SARA INDUSTRIAL ESTATE LTD. CHARATA ROAD, SELAQUI RAMPUR DEHRADUN (UTTRAKHAND)	T.C. No. 3849	Date 18/01/2012
	Invoice No. 2313	
	Truck No. HR-372-5597	

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
ASTM 1800	45 MM	S 191	1/1ST	YELLOW	AS ROLLED	75/0	10000

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.07	0.55	0.034	0.015	0.15				0.008						

### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)		Gas content (ppm)
	A		B		C		D			
	T	H	T	H	T	H	T	H		O <sub>2</sub>
STD MAX										N <sub>2</sub>
ACTUAL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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. / Ra		
Reqd.								
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	CS/...
		AUTHORISED SIGNATORY