



SPAN FORGING PVT. LTD.

Mfrs. of : Steel Forgings, CNC Turned Components, Centrifugal Casting of alloy steel

Mobile : 9999986702

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Works : Village Tatarpur (Near Prithla) Teh. & Distt. Palwal

E-mail : spanforging@rediffmail.com

TEST REPORT

Ref. No.

Date.....

Issued to: M/s SARA SAE(P)Ltd.Unit-II
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

71

D.O.T.

10/4/2012

D.O.R

9/4/2012

Sample Description
AISI-1008

Sample No.

7567-A

Heat No.

S-974-A

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0985
Silicon	0.22
Sulphur	0.0341
Phosphorus	0.0292
Manganese	0.465
Nickel	0.125
Chromium	0.112
Molybdenum	0.0284
Vanadium	0.0023
Copper	0.104
Niobium/Columbium	0.001
Cobalt	0.0021
Aluminium	0.0123
Titanium	0.0016
Iron	98.70

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-46 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.

E-mail : Info@sharusteels.com & u.b.sharu@gmail.com**QUALITY ASSURANCE DEPARTMENT****METALLURGICAL TEST REPORT**

F-QCD-03

**TEST CERTIFICATE**

U/S. SARA SAE PRIVATE LIMITED UNIT NO.4 BACK SIDE RADHA SWAMI SATSANG GHAR, VILLAGE MAHAL ROAD, G.T. ROAD, GORAYA (PUNJAB)				T.C. No. 0631	Date 26-05-2012
				Invoice No. 4476	
GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.
SAE1008	58 MM	S-974	L/HT	YELLOW	AS ROLLED
					QNTY. M.T. 7.520 MT
					NO. OF PCS. LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.49	0.50	0.032	0.032	0.18	-	-	-	0.020	-	-	-	-	-	-

METALLURGICAL RESULTS

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

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

AUTHORISED SIGNATORY