



SPAN FORGING PVT. LTD.

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

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

E-mail : spanforging@rediffmail.com

TEST REPORT

Date.....

Ref. No.
Issued to: M/s SARA SAE(P)Ltd. Unit-II
A/2Sara Ind. Estate Ltd. Chak-
rata Road, Selaqui, Dehradun.

Report No.

163

D..O.T.

30/5/2012

D..O.R

29/5/2012

Sample Description

TEST SAMPLE

Sample No.

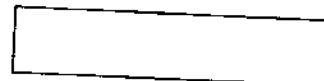
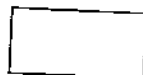
7684-A

Heat No.

S-120-A

RESULTS

Chemical Analysis
By Spectrometer



Element

%

Carbon	0.0975
Silicon	0.224
Sulphur	0.0269
Phosphorus	0.0328
Manganese	0.496
Nickel	0.0803
Chromium	0.14
Molybdenum	0.02
Vanadium	0.0042
Copper	0.0467
Niobium/Columbium	0.001
Cobalt	0.0015
Aluminium	0.0378
Titanium	0.0118
Iron	98.70

Checked By
Arun Mishra

Authorised Signatory
(Q.M / T.M)

The result 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****TEST CERTIFICATE**

M/S. SARA SAE PRIVATE LIMITED UNIT NO.4 BACK SIDE RADHA SHAMI SATSANG GHAR. VILLAGE MARAL ROAD, S.T. ROAD, GORAYA (PUNJAB)	T.C. No. 1826 Invoice No. 1352 Truck No. 9910CG-2947	Date 21-09-20
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY M.T.
SAE1008	60 MM	9-120	L/HT	ORANGE	AS ROLLED	7.275 MT

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.05	0.40	0.022	0.031	0.18	-	-	-	-	0.026	-	-	-	-

METALLURGICAL RESULTS

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

MECHANICAL PROPERTIES

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

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Regd.									
Actual									

Remarks :

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON
100% RESULTS OBTAINED FROM SAMPLES DRAWN AS PER D & D