



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

Ref. No.

TEST REPORT

Date.....

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

Report No.

172

D.O.T.

30/5/2012

D.O.R

29/5/2012

Sample Description

TEST SAMPLE

Sample No.

7687-A

Heat No.

S-127-A

RESULTS

Chemical Analysis

By Spectrometer

Element	%
Carbon	0.0945
Silicon	0.218
Sulphur	0.0257
Phosphorus	0.0331
Manganese	0.488
Nickel	0.0769
Chromium	0.138
Molybdenum	0.019
Vanadium	0.0044
Copper	0.0462
Niobium/Columbium	0.001
Cobalt	0.0015
Aluminium	0.0422
Titanium	0.0114
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-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

F-QCD-03



W/S. SARA SAE PRIVATE LIMITED UNIT NO.4 BACK SIDE RADHA SWAMI SATSANG GHAR, VILLAGE MAHAL ROAD, G.T. ROAD, GDRAYA (PUNJAB)	T.C. No. 1828 Date 21-09-2012 Invoice No. 1354 Truck No. PB10CG-2947
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
E1008	68 MM	S-127	L/HT	GREY	AS ROLLED	3.745 MT	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.07	0.39	0.025	0.034	0.16	-	-	-	-	0.020	-	-	-	-	-

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		N ₂		
STD									Micro-Structure	OK	H ₂	
MAX												
TUAL	1.5		1.0		1.0		1.5					

MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Ra	MACRO	ULTRASONIC TEST	MIX UP TEST
qd.	-						OK	OK	OK
ual									

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
qd.									
ual									

Remarks :

LA