



SPAN FORGING PVT. LTD.

Mobile : 9999986702

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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

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.

1248

D..O.T.

28/3/2012

D..O.R

28/3/2012

Sample Description

Dia-70 mm

Sample No.

7499

Heat No.

R-672

RESULTS

Chemical Analysis
By Spectrometer



Element

%

Carbon	0.0488
Silicon	0.476
Sulphur	0.0112
Phosphorus	0.0134
Manganese	1.52
Nickel	10.36
Chromium	16.5
Molybdenum	2.12
Vanadium	0.0627
Copper	0.362
Niobium/Columbium	0.0102
Cobalt	0.198
Aluminium	0.0269
Titanium	0.014
Iron	68.20

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 with in 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.



PARVATI P.LTD.

Regd Office & Works : 27, Hajasthani Udyog Nagar, G. T. Karnal Road,
NEW DELHI - 33, Phone : 91 - 11 - 47027900 Fax : 91 - 11 - 47029922

TEST CERTIFICATE

Customer Name & Destination :
M/S. SARA SAE PVT. LTD.

I.C.NO : P-74

Date : 19.3.12

ORDER NO : VERBAL

Material Specification	Manufacturing Route	Supply Condition	Size	PCS	Color Code	Weight (Kg)
AISI-316	INDUCTION FURNACE	AS ROLLED	70 MM	29	BLUE	4845

CHEMICAL ANALYSIS IN PERCENTAGE

ELEMENTS	C	Mn	Si	S	P	Cr	Ni	Mo	N	Color	Size	Pes.
Specification	Min.											
	Max.											
Heat No.	Grade											
R-672	AISI-316	.058	1.56	.49	.022	.034	16.42	10.11	2.04	.0587	70 MM	29

ULTRASONIC TESTING
ACC. STD : 6mm FBH

REMARKS : NA

MECHANICAL PROPERTIES : TEST STD ASTM A370

Test Condition	UTS (N/MM ²)	YS (N/MM ²)	% El.	% RA	Hardness (HVN)
					Min. Max.
SPEC	-	-	-	-	-
RESULT	-	-	-	-	-

METALLURGICAL TEST RESULT

INCLUSION RATING ASTM E - 45

	A	B	C	D	Grain Size E 112	Test Temp. Sr. No	IMPACT TESTING : Test Std : Impact Energy (J)	Average
Thin	-	-	-	-		1		
Thick	-	-	-	-		2		

JOMINY HARDENABILITY : ASTM - 3848

DIST mm/inch	1	2	3	4	5	6	Macro Test (ASTM E - 381)	1 st Step	2 nd Step	3 rd Step
ACTUAL HRC										

Visual Inspection :

Remarks

- Impact Testing as per DINEN 10015 - 1
- Ultrasonic testing as per ASTM A 358
- Material is free from residual radioactive elements.
- Lead not added during manufacturing.

For Parvati P. Ltd.

For Parvati P. Ltd

WE CONFIRM THAT THE TEST
CERTIFICATE FINDINGS ARE
CORRECT & RESULTS ARE
AS PER STANDARD /
CUSTOMER'S REQUIREMENTS

Checked

Authorised Signatory (S/C)

