



SPAN FORGING PVT. LTD.

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

Mobile : 9999986702

9999986704

9810010535

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.

1241

D.O.T.

22/3/2012

D.O.R

22/3/2012

Heat No.

R-669

Sample Description

Dia-56

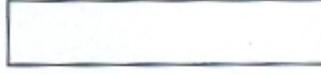
Sample No.

7489

RESULTS

Chemical Analysis

By Spectrometer



<u>Element</u>	<u>%</u>
Carbon	0.0482
Silicon	0.52
Sulphur	0.0075
Phosphorus	0.019
Manganese	1.52
Nickel	10.31
Chromium	16.94
Molybdenum	2.1
Vanadium	0.065
Copper	0.376
Niobium/Columbium	0.0148
Cobalt	0.183
Aluminium	0.0092
Titanium	0.0107
Iron	67.80

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.



PARVATI P.LTD.

Regd Office & Works : 27, Rajasthani Udyog Nagar, G. T. Karnal Road,
NEW DELHI - 33, Phone : 91 - 11 - 47029900 Fax : 91 - 11 - 47029922

TEST CERTIFICATE

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

T.C.NO.:P-71

Date :12.3.12

ORDER NO : VERBAL

Material Specification	Manufacturing Route	Supply Condition	Size	PCS	Color Code	Weight (Kg)
AISI-316	INDUCTION FURNACE	AS ROLLED	56 MM 56 MM	48 34	BLUE	5100 3615

CHEMICAL ANALYSIS IN PERCENTAGE

ELEMENTS		C	Mn	Si	S	P	Cr	Ni	Mo	N	COLOR	Size	Pcs.
Specification	Min.												
	Max.												
Heat No.	Grade												
R-668	AISI-316	.064	1.49	.53	.015	.032	16.46	10.04	2.03	.0648		56 MM	48
R-669	AISI-316	.060	1.56	.52	.016	.032	16.82	10.15	2.06	.0642		56 MM	34

ULTRASONIC TESTING
ACC. STD : 6mm, FBH

REMARKS : NA

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MECHANICAL PROPERTIES : TEST STD ASTM A370

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

METALLURGICAL TEST RESULT

	INCLUSION RATING ASTM E - 45				Grain Size E 112	Test Temp :	IMPACT TESTING :		
	Sr. No	Impact Energy (J)	Average	Test Std :			Test Std :	-	-
Thin	1	-	-	-			1	-	-
Thick	2	-	-	-			2	-	-
	3	-	-	-			3	-	-

JOMINY HARDENABILITY : ASTM - 3848

DIST mm/inch	J	J	J	J	J	J	Marco 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 388
- Material is free from residual radioactive elements.
- Lead not added during manufacturing.

For Parvati P. Ltd.

Chemist

For Parvati P. Ltd.



Authorized Signatory (Q.C.)