



# 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

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.

1141

D.O.T.

31-12-11

D.O.R

30-12-11

Sample Description

Dia 32

Sample No.

7133

Heat No.

C-26

## RESULTS

Chemical Analysis  
By Spectrometer

Element	%
Carbon	0.0614
Silicon	0.381
Sulphur	0.0082
Phosphorus	0.0214
Manganese	1.49
Nickel	10.17
Chromium	16.43
Molybdenum	2.09
Vanadium	0.0563
Copper	0.281
Niobium/Columbium	0.034
Cobalt	0.138
Aluminium	0.0417
Titanium	0.0201
Iron	68.70

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 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.

**PSI****Paras Steel Industries****Test Certificate**

TC No : 12	Date:29-02-12	Invoice No:61
Customer Name and Address: Sara Sae Pvt. Ltd., 7/1-Pritam Road, Dehradun-248001 Uttarakhand		
Supply condition : As rolled round		

**Chemical Analysis**

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Heat No	Grade	Size	Colour
Result	0.506	0.393	1.50	.033	.0203	16.21	2.01	10.05	.0319	C-25	SS316	32m	Yellow
Result	.0515	.42	1.52	.0325	.0204	16.14	2.05	10.06	.0402	C-26	SS316	32m	Blue
Result	.067	.483	1.46	.0327	.0212	16.34	2.04	10.03	.0539	C-28	SS316	56m	Yellow/Blue
Result	.069	.451	1.52	.0321	.019	16.09	2.02	10.05	.0312	C-29	SS316	56m	Yellow/White
Result	.0663	.466	1.56	.0326	.0198	16.04	2.13	10.15	.0384	C-32	SS316	56m	Yellow/Pink

**Mechanical Properties**

Ultrasonic Testing	YS/O.2%PS (N/MM2)	UTS (N/MM2)	% Elongation	% RA	Charpy Impact V Notch Joules	Temp Deg.C.	Hardness (BHN)	Radiation (Bq/Gram)

**Metallurgical Properties**

Inclusion Rating (ASTM E 45)	Grain Size	Macro Streak Test	Jominy (ASTM 3848)

**Remarks:**

1. Manufacturing Route: Induction Furnace
2. Material is free from residual Radioactive elements.
3. Lead not added during manufacturing.

We are confirming that test result findings are correct and results are as per standard/customers requirement.

**Quality Incharge**