



# 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

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.

1139

D.O.T.

31-12-11

D.O.R

30-12-11

Heat No.

C-32

Sample Description

Dia 56

Sample No.

7131

## RESULTS

### Chemical Analysis

By Spectrometer



Element	%
Carbon	0.067
Silicon	0.424
Sulphur	0.0095
Phosphorus	0.0243
Manganese	1.44
Nickel	10.21
Chromium	16.41
Molybdenum	2.18
Vanadium	0.0592
Copper	0.303
Niobium/Columbium	0.0358
Cobalt	0.143
Aluminium	0.0083
Titanium	0.0063
Iron	68.60

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.



**Paras Steel Industries Test Certificate**

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

**Chemical Analysis**

Elements	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Heat No	Grade	Size	Colour
Result	0.50 6	0.39 3	1.5 0	.033 3	.020 1	16.2 1	2.0 1	10.0 5	.031 9	C-25 6	SS31	32mm	Yellow
Result	.051 5	.42 2	1.5 5	.032 4	.020 4	16.1 4	2.0 5	10.0 6	.040 2	C-26 6	SS31	32mm	Blue
Result	.067 6	.483 7	1.4 2	.032 1	.021 2	16.3 4	2.0 3	10.0 9	.053 28	C-26 6	SS31	56mm	Yellow/Blue
Result	.069 2	.451 1	1.5 1	.032 9	.019 2	16.0 9	2.0 5	10.0 2	.031 29	C-26 6	SS31	56mm	Yellow/White
Result	.066 3	.466 6	1.5 8	.032 4	.019 3	16.0 4	2.1 5	10.1 5	.038 4	C-32 6	SS31	56mm	Yellow/Pink

**Mechanical Properties**

Ultrasonic Testing	YS/0.2%P S (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**