



# 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.

D.O.T.

1137

31-12-11

D.O.R

30-12-11

Heat No.

C-28

Sample Description

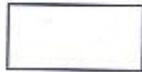
Dia 56

Sample No.

7129

## RESULTS

Chemical Analysis  
By Spectrometer



Element	%
Carbon	0.0706
Silicon	0.415
Sulphur	0.0078
Phosphorus	0.0234
Manganese	1.41
Nickel	10.12
Chromium	16.6
Molybdenum	2.12
Vanadium	0.0678
Copper	0.31
Niobium/Columbium	0.0528
Cobalt	0.149
Aluminium	0.0128
Titanium	0.0111
Iron	68.60

Checked By  
Arun Mishra



Authorised Signatory  
(Q.M / T.M )

1. The results 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	SS31 6	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	SS31 6	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-28	SS31 6	56mm	Yellow/Blue
Result	.069 2	.451 1	1.5 1	.032 9	.019 2	16.0 2	2.0 5	10.0 2	.031 29	C-29	SS31 6	56mm	Yellow/White
Result	.066 3	.466 6	1.5 8	.032 4	.019 3	16.0 4	2.1 3	10.1 5	.038 4	C-32	SS31 6	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