



SPAN FORGING PVT. LTD.

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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.

1225

D.O.T.

5/3/2012

D.O.R

6/3/2012

Sample Description

INGOT 4"X5"

Sample No.

7403

Heat No.

D-2109

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0641
Silicon	0.454
Sulphur	0.0148
Phosphorus	0.0318
Manganese	1.03
Nickel	10.31
Chromium	16.41
Molybdenum	2.09
Vanadium	0.0646
Copper	0.368
Niobium/Columbium	0.0169
Cobalt	0.183
Aluminium	0.0355
Titanium	0.0093
Iron	68.90

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.

**MATERIAL TEST CERTIFICATE**

TC NO-KSL-3326/11-12	Date : 02.03.2012	Buyer:- M/S SARA SAE PVT LTD, DEHRADUN
Heat No. D -2109		Delivery: M/S SHARU STEEL (P) LTD, JALANDHAR
Specification:- AISI 316	P.O. No.: B/KES/0147/11 Dtd 18.02.2012	Invoice No: 978 Date 02.03.2012

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Steel Ingot 4" X 5"	90
	Grade Color Code: Pink	
	Heat No. Color Code: White	

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V	
AS PER Min. (%)						16.00	10.00	2.00					
SPEC. Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00					
Actual Value	0.060	1.31	0.39	0.039	0.027	16.21	10.14	2.11					

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm2	U.T.S. N/mm2	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS BHN	IMPACT (Joules)
AS PER Min.							
SPEC. Max.							
Actual Value							

We hereby certify that the items mentioned above have been tested and inspected in our presence and are found to be in accordance with the drawing, specifications, and purchase order.

REMARK

The Steel has been made by Electric Furnace which is fully killed by Al & Si. It has fine grain structure.

Sign of the Inspecting Officer

Registered Office :

G & JU - 26/1, Pitampura, Telefax : + (91) 11 27343847

Works :

A - 350, Phase-I, Riico Industrial Area,

Phone : + (91) 1493 220142

Sign of the Chief of Quality Control

