



SPAN FORGING PVT. LTD.

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

Works : Village Tatarpur (Near Prithia), 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. 8	D.O.T. 5/4/2012
Sample Description Dia-56	Sample No. 7549	D.O.R 5/4/2012
		Heat No. D-2204

RESULTS

Chemical Analysis
By Spectrometer

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<u>Element</u>	<u>%</u>
Carbon	0.0563
Silicon	0.448
Sulphur	0.0083
Phosphorus	0.0187
Manganese	1.1
Nickel	10.16
Chromium	16.66
Molybdenum	2.09
Vanadium	0.0659
Copper	0.412
Niobium/Columbium	0.0172
Cobalt	0.23
Aluminium	0.011
Titanium	0.0442
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.



MATERIAL TEST CERTIFICATE

TC NO-KSL-3414/12-13	Date :	10.04.2012	Buyer:- M/S SARA SAE PVT LTD, DEHRADUN
Heat No. D -2204			Delivery:- M/S GEE GEE INDUSTRIES, JALANDHAR
Specification:- AISI 316	P.O. No.:	Verbal	Invoice No. 11 Date 10.04.2012

CHEMICAL COMPOSITION

CHEMICAL COMPOSITION													
PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V	
AS PER SPEC	Min. (%)					16.00	10.00	2.00					
	Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00				
Actual Value	0.070	1.10	0.48	0.030	0.014	16.48	10.09	2.07					

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES								
MECHANICAL PROPERTIES		Y.S. N/mm ²	U.T.S. N/mm ²	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS BHN	IMPACT (Joules)
AS PER SPEC.	Min			*				
	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, Rilco Industrial Area,
Taluk - 100016, Mumbai.

Phone : + (91) 1493 220142 WWW.KSL.IN

