



SPAN FORGING PVT. LTD.

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

Date.....

Ref. No.....
Issued to: M/s SARA SAE(P)Ltd.Unit-II
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

1235

D.O.T.

17/3/2012

D.O.R

17/3/2012

Sample Description
DIA-40

Sample No.

7445

Heat No.

D-2067

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0481
Silicon	0.524
Sulphur	0.0074
Phosphorus	0.0172
Manganese	0.986
Nickel	10.47
Chromium	17.09
Molybdenum	2.14
Vanadium	0.0653
Copper	0.334
Niobium/Columbium	0.0351
Cobalt	0.199
Aluminium	0.0082
Titanium	0.0206
Iron	68.00

Authorised Signatory
(Q.M / T.M)

Checked By
Arun Mishra

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.



**KESR STEELS
LIMITED**

MATERIAL TEST CERTIFICATE

TC NO-KSL-3324/11-12	Date :	07.03.2012	Buyer:-	M/S SARA SAE PVT LTD, DEHRADUN
Heat No. D -2067			Delivery:-	M/S SARA SAE PVT LTD, DEHRADUN
Specification:- AISI 316	P.O. No.:	B/KES/0147/11 Dated 18.02.12	Invoice No:	1016 Date 07.03.2012

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round Dia 40 MM	80
	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 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		0.057	1.15	0.44	0.031	0.015	16.52	10.11	2.19				

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL 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.

01.04X80 → 7283.

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

Delhi - 110029 (INDIA)

Works :

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

Rishabhgarh - 201010, Rishabhgarh (INDIA)

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

Sign of the Chief of Quality Control
KESR STEELS LIMITED BHAWADE