

BSL**SPECTRO LAB****METALLURGICAL TESTING CENTRE****(NABL ACCREDITED LAB)****(An Unit of BSL Castings Pvt. Ltd.)****WORKS & OFFICE :**

PLOT NO. 263, SECTOR-24

FARIDABAD-121005 (INDIA)

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CERTIFICATE NO.
T - 1452 & T- 1453**TEST REPORT**

BSL/SPECTRO/5.10F-01/01/00

Issued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	113954	D.O.T. :	06.02.2009
		Ref. No.	NIL	D.O.R. :	05.02.2009
Sample Description	Sample No. - 2664A, Heat No. - 808190			J.O. No. :	35207

RESULTS**Chemical Analysis**

By Spectrometer (ASTM E1507;1998)

Sample ID; J.O.No. - 35207/5

<u>Element</u>	<u>%</u>
Carbon	0.065
Silicon	0.212
Sulphur	0.025
Phosphorus	0.012
Manganese	0.385
Nickel	0.010
Chromium	0.003
Molybdenum	0.001
Vanadium	0.000
Copper	0.000
Tungsten	0.000
Cobalt	0.001
Aluminium	0.015
Titanium	0.000
Iron	99.26

Checked By

**Authorised Signatory
(Q.M. / T.M.)**

- Note : 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. This 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.

TEST CERTIFICATE

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Product/Size :	56 mm Round	Customer :
T.C.No.: QMS/R/QAD/RM/15/M005859 - 5	Dt. 31/12/2008	NOV SARA INDIA PVT. LTD. UNIT-II
Order No. EMPC360008003		DEHRADUN
Invoice No.: 2008000828		
Wagon/Truck No.: HR37B 4854		Invoice Wt.(T): 18.440

HEAT NO	808190
Of	
Pcs/Bundles	2
C %	0.08
Mn %	0.38
P %	0.025
S %	0.025
Si %	0.250
Al %	0.032
C.E. (IF APPLICABLE)	0.15
YS (N/mm ²)	258
UTS (N/mm ²)	379
%EL	33
%RA	NA
OTHERS	NA
BEND TEST	NA
GRADE	SAE1008

AVERAGE WEIGHT OF EACH BUNDLE IS 9.215 TONS APPROXIMATELY

The material supplied conform to the standard rolling and weight tolerances.

Reduction Ratio : 24.36 : 1

Manufacturing Route: BOF-LF/IRUT-CCM-Round

for HOD (QA & TD)
RASHTRIYA ISPAT NIGAM LTD.
 Visakhapatnam Steel Plant
 (A GOVT. OF INDIA ENTERPRISE)
 1st Floor, 27-E.C. ROAD
 DEHRADUN-248 001