## AARTI STEEL ÎNTERNATIONAL LIMITED

WILLIAM COMPANY

Registered Office : G.T.Road, Miller Ganj, Ludhiana. Works : Focal Point, LUDHIANA - 141 010. (INDIA)

Phone no. :- +91-161-5244200 Fax :- +91-161-5244250 MANUFACTURER'S OF :- CARBON ALLOYS & SPECIAL STEELS

TEST CERTIFICATE :- -: Original:

MARKET

M/S S.S.B. ENGINEERS PVT. LTD. T.C.NO. 5924 Date -: 20/03/2025 16:48: PLOT NO.C-158A,M.I.A ALWAR Invoice No. 5806 RAJASTHAN-301030 Truck No. PB10HW-6229
GRADE   SIZE   HEAT NO.   MANUFACTURING ROUTE   COLOUR CODE   SUPPLY CONDN.   QTY.   NO. O
SAE8620 H   80 DIA   8335   E.A.F.+L.F.+V.D.+CCM+EMS   BLUE+WHITE   AS ROLLED   29.210   134
-: CHEMICAL COMPOSITION IN PERCENTAGE :-
C   Mn   S   P   Si   Ni   Cr   Mo   V   Al   Cu   Sn   Ti   B   Ca
Min   0.1800   0.7000   0.0200     0.1500   0.4000   0.4000   0.1500     0.0200
Max   0.2300   0.9000   0.0350   0.0350   0.3500   0.7000   0.6000   0.2500     0.0500   0.3000       0.0005   0.0010
Actual   0.2170   0.8500   0.0230   0.0190   0.2100   0.4470   0.5550   0.1660   0.0100   0.0220   0.1970   0.0060   0.0029   0.0004   0.0006
-: METALLURGICAL RESULTS :-
INCLUSION RATING IS: 4163/JK CHART/ASTM E-45A Aust.Grain   Gas Content (ppm)  A B C D ASTM No. (E-112) 7
T H T H T H Decarb. 0.14 02 14
STD   2.0   1.5   2.0   1.0   0.5   0.5   1.0   1.0   (MM)   N2   85
ACTUAL 1.5 0.5 0.5 0.0 0.0 0.0 1.0 0.0 Structure P+F+B H2 .961
MECHANICAL PROPERTIES (ASTM A-370/IS-1608) AS ROLLED MACRO ULTRASONIC MIX UP TEST TEST CONDITION (N / H & T) TEST
U.T.S.   Y.S.   EL%   RA%   Impact   Hardness
Actual   1308 MPA   1090 MPA   9.5   -   45 J   185-193
-: HARDENABILITY (HRC) AS PER IS : 3848 :-
istance  J1/16  J2/16  J3/16  J4/16  J5/16  J6/16  J7/16  J8/16  J9/16  J10/16  J12/16
equired  -  -  -  34-39  -  -  -  -  -  -
ctual  -  -  -  38  -  -  -  -  -  -
Remarks :- REDUCTION RATIO=8.0:1,BILLET SIZE=200X200 AM, SURFACE SATISFACTORY MPI 100% DONE FOUND OK INCLUSION RATING CERTIFIED AS PER WORST FIELD RATING ASTM E45 METHOD A MATERIAL CONFIRMS TO STD.NO.: FAL-MTS-02-04, REV.NO.: 06
Note :- TESTED FOR RADIOACTIVE CONTAMINATION OF THE FIRS (P.)
ACTUAL RESULTS CARRIED OUT ON SAMPLESS DRAWN AS PER Q.A.P. PRESARD BY