



JINDAL SAW LTD.

WORK / MILL TEST CERTIFICATE

F / QLY / 23 R 00

T.C.NO: JSAW / Q / XP2202001030 / E DATE: 01.11.2022
P.O.NO: 329026 DATE: 23.08.2022
S.O.NO: 4111005280-90 DATE: 01.09.2022
INV. NO : XP2202001030 DATE: 01.11.2022

PRODUCT : HOT FINISHED NORMALISED ROLLED SEAMLESS PIPES
PIPE SPECIFICATION : API 5L GR B/GR X42N PSL 2 - 46 EDITION/ASTM A 53 GR B - 20 /ASME SA 53 GR B(ASME SEC II PART A EDITION 2021) /ASTM A 106 GR. B & C - 19a / ASME SA 106 GR. B & C (ASME SEC II PART A EDITION 2021) / NACE MR 0103 / NACE MR 0175/ / ISO 15156

PIPE DIMENSIONS		LENGTH (FEET)	END CONDITIONS	STRAIGHTNESS	HEAT NO.	QUANTITY	
OD	WT					NOS.	METER
5.563"	0.375"	38	Bevelled Ends	Satisfactory	2219391	55	2089.923
5 NPS	SCH XH						
TOTAL						55	2089.923

CHEMICAL COMPOSITION :

Heat No.	Analysis	% C	% Mn*	% Si	% S	% P	% Cr	% Ni	% Cu	% Mo	% V	% Nb	% Ti	% B	% CE
Heat No.	Reqd.	0.24 Max.	0.29 - 1.06	0.10 - 0.40	0.010 Max.	0.025 Max.	0.30 Max.	0.30 Max.	0.40 Max.	0.15 Max.	0.06 Max.	0.05 Max.	0.04 Max.	0.001 Max.	0.43 Max.
	Heat	0.19	1.13	0.28	0.009	0.020	0.019	0.007	0.006	0.004	0.0010	0.0011	0.002	0.0005	0.38
2219391	Product	0.18	1.12	0.27	0.008	0.021	0.018	0.007	0.006	0.003	0.0010	0.0012	0.002	0.0004	0.37
	Product	0.18	1.12	0.28	0.008	0.020	0.018	0.008	0.007	0.004	0.0012	0.0014	0.003	0.0004	0.37

* Mn 1.20 Max as per ASME SA 53, Table 1.

MECHANICAL TESTS :

Heat No.	Reqd.	TENSILE TEST			HARDNESS TEST	FLATTENING TEST	HYDROSTATIC TEST (100%)	NDT TEST (100%)	Impact Test (Joule)			
		Y.S.	U.T.S.	% E G.L. = 50.00					Sample Orientation : Longitudinal Size: L x W x T : 55 x 10 x 7.5 mm L-7.5-21 J at (0°C)			
		Tensile Specimen Width 25.40 mm							200 BHN Max.	As Per Spec.	3000 PSI for 5 Seconds Minimum	EMIT AS PER ASTM E 570 WITH 10% NOTCH DEPTH
2219391	Obtained	343	528	39	152 - 154	Satisfactory	Satisfactory	Satisfactory	96	110	88	98
		350	533	38	152 - 154							

Remarks :

- Marking on Pipes : JSAW API SPEC 5L / ASTM A 53/ASME SA 53 GR B / ASTM A 106 / ASME SA 106 GR B / C / NACE MR 0103 / NACE MR 0175/ISO 15156
5.563" OD X 0.375" WT (5 NPS SCH XH) GR B/X42N PSL2 HFS SMLS HEAT NO 2219391 HYDRO 3000 PSI NDE 38 FEET LENGTH 20.79 lb/ft
PO NO 329026 MADE IN INDIA
- Steel Making Process : EAF-LRF-VD-CCM, Fully Killed.
- Visual Inspection : Satisfactory
- Name of Steel Melt : Jindal Steel & Power Limited
- Country of Melt : India
- Name of Pipe Manufacture : Jindal Saw Limited
- Country of Pipe Manufacture : India
- Product is free from Mercury.
- No Repairs Made By Welding.
- Heat Treatment : Normalized rolled at 900°C

T.C.AS PER EN10204 - 3.1

We hereby certify that the material herein described has been manufactured, sampled, tested & inspected in accordance with above standard and Confirms to each Grade and specification individually & satisfy the requirements.

Authorized Signatory
VIVEK GAIKWAD (Asst. Manager - Quality)

CHECK FOR ORIGINAL WATER MARK