

227160





SHREE GANESH FORGINGS LIMITED

C-3/C. F.T.C. IND. AREA. THANE BELAPUR ROAD, PAWNE, NAVI MUMBAI, INDIA



QAD/F/04A-01

PED Certificate No. 07 202 1423 WZ 1263/08 and AD-2000 Merkblatt WO/TRD 100 Certificate No. 07 202 1423 WP 1263 08

CLIENT : M/S. VANLEEUVEN STAINLESS B.V.	PRODUCT : MACHINED STAINLESS STEEL FORGED FLANGES	CERTIFICATE NO.: EXP/2009-10/ 1799
ORDER NO: 909011	MATERIAL SPECIFICATION : ASTM/ASME A/SA 182-2007, Sec II, Part A, Add 08	DATE : 09.02.2010
DATE : 02.09.2009	QUALITY : F 316 / 316 L	MANUFACTURER'S BRAND : 
INVOICE NO : EXP 105/MDB/2009-10 DT. 29.01.2010	DIMENSIONAL SPECIFICATION : ASME B 16.5	INSPECTORS STAMP : 

CHEMICAL ANALYSIS

S.NO.	ITEM DESCRIPTION	QTY.	H.NO./H.CODE	% C	% Mn	% Si	% S	% P	% Cr	% Ni	% Mo	% N2	Article No
58	½" 600 LBSWNRF SCH 80S XS	30	J-458 / 2732	0.021	0.968	0.472	0.014	0.039	16.505	10.080	2.093	0.0810	504.88.059
59	1" 600 LBSWNRF SCH 40S STD	43	F-237 / 2645	0.170	1.639	0.365	0.020	0.036	16.620	10.053	2.158	0.0475	504.88.082
60	2" 600 LBS BLRF	50	G-122 / 2800	0.023	1.656	0.469	0.023	0.048	16.487	10.195	2.098	0.0390	484.88.146
61	½" 150 LBS LPJFF	25	J-458 / 2732	0.021	0.968	0.472	0.014	0.039	16.505	10.080	2.093	0.0810	491.88.058

MECHANICAL PROPERTIES

S.NO	H.NO./H.CODE	TENSILE STRENGTH Rm N/mm2	YIELD STRENGTH Rp N/mm2 0.2%	% Elongation % A G.L. = 50 mm	% Reduction Area of % Z	Hardness BHN	MICRO- STRUCTURE	IGC ACC ASTM A 262 Practice-E	HEAT TREATMENT
58	J-458 / 2732	590.72	268.88	66.80	61.06	163	O.K	O.K.	SOLN. ANNL
59	F-237 / 2645	615.17	256.66	64.80	61.50	163	O.K	O.K.	SOLN. ANNL
60	G-122 / 2800	549.98	240.36	57.08	61.26	156	O.K	O.K.	SOLN. ANNL
61	J-458 / 2732	590.72	268.88	66.80	61.06	163	O.K	O.K.	SOLN. ANNL

REMARKS : 1) After solution annealing hardness found less than HRC 22 (237 BHN) according to 'NACE MR-0175-2003.

7) 100% PMI Tested- Satisfactory

We certify that the material have been manufactured, tested and examined in accordance with all the requirement of the ordered standard and all test result are acceptable.

WORKS INSPECTOR


M.M. KARKHANIS

POS: 1