



VIRAJ FORGINGS LTD

G34 & G75 MIDC, TARAPUR INDUSTRIAL AREA, DIST: THANE MAHARASHTRA 401 506, INDIA

INSPECTION CERTIFICATE & MILL TEST REPORT - EN 10204 3.1B

CUSTOMER :	MANUFACTURER'S SYMBOL	AD 2000 MERKBLATT W0	MTR NO.	FRG/ 21420 - A
		REG. NO. 04 202 W 130 02 00024	DATE	24/10/2003
		TECHNICAL REQUIREMENT ACC. TO	MATERIAL SPECIFICATION	DIN17440 - 96
		AD MERKBLATT W2/W9/W10	GRADE	WNR 1.4541
		PED 97/23/EC QMS REG. NO.	DIMENSIONAL SPECIFICATION	DIN STANDARD
		04 202 2 440 02 00002	STAINLESS STEEL FORGED FLANGES	

ORDER NO: 092645000,0931015000(45462)EE,0932515000(LOT,093364/45658(SH)REV.1,09373/4565

CHEMICAL ANALYSIS

SL NO	ITEM DESCRIPTION	HEAT NO	QTY	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Ti	N2 PPM
1	65776.1 DIN2633 PN16	63795	291	0.023	1.70	0.43	0.009	0.027	17.85	9.30	-	0.26	320
2	100/114.3 DIN2635 PN40	64241	8	0.022	1.83	0.52	0.011	0.030	18.32	9.16	-	0.125	425
3	65776.1 DIN2635 PN40	63795	100	0.023	1.70	0.43	0.009	0.027	17.85	9.30	-	0.26	320

MECHANICAL PROPERTIES

HEAT NO.	ITEM DESCRIPTION	TENSILE STRENGTH (N/mm2)	PROOF STRESS		ELONGATION % Lo=5D	REDUCTION OF AREA %	CHARPY V-NOTCH 10x10mm (JOULES)				REMARKS
			Rp=0.2% (N/mm2)	Rp= 1% (N/mm2)			1	2	3	AVG	
63795	65/76.1 DIN2633 PN16	554.81	291.44	332.45	56.77	70.81	200	208	212	207	
64241	100/114.3 DIN2635 PN40	549.90	285.69	320.06	57.21	72.71	214	219	222	218	
63795	65/76.1 DIN2635 PN40	550.85	287.12	329.66	56.60	72.12	200	192	188	193	

MELTING PROCESS

: INDUCTION/AD (RS)CONCAST

: SOLUTION ANNEALED AT 1050°C AND WATER QUENCHED

: CONFIRM WITH THE SPECIFICATION

: SATISFACTORY

: NO OBJECTION(100% TESTED WITH MOBILE SPECTRO)

: PASSED IGC TEST IN ACCORDANCE WITH DIN EN ISO 3651-2

: NO CARBIDE PRECIPITATION OBSERVED ON THE GRAIN BOUNDARIES

: ALL THE ABOVE MATERIAL IS TESTED FOR RADIOACTIVITY AND FOUND WITHIN THE LIMIT OF BACKGROUND RADIATION

WE CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIES WITH THE ORDER/CONTRACT AND IS OF INDIAN ORIGIN.



Der RWTÜV hat mit Schreiben vom 13.08.2001 auf die Gengezeichnung verzichtet



INSPECTOR'S STAMP

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