

17 SEP. 2004

INSPECTION CERTIFICATE according to <input checked="" type="checkbox"/> UNI EN 10204 - 3.1 B <input type="checkbox"/>		CERTIFICATE N° C 040791-001/01		Page No. 001 / 001																																																																																																																																																																												
TEST PROCEDURE & SPECIFICATION <input checked="" type="checkbox"/> API 598 <input checked="" type="checkbox"/> ANSI/ASME B 16.34 <input type="checkbox"/> <input checked="" type="checkbox"/> MSS SP.61 <input checked="" type="checkbox"/> BS 6755 <input type="checkbox"/> <input checked="" type="checkbox"/> DIN 3230 T.3 <input type="checkbox"/>		CUSTOMER SIEKMANN ECONOSTO GMBH & CO. KG FREIGRAFENWEG 2 D-44357 DORTMUND (I)																																																																																																																																																																														
HEAD OFFICE AND PLANT Via G. Mazzini, 6 24060 S. Paolo D'Argon (BG) - ITALY Tel. +39.035.4255211 - Fax +39.035.959210 Internet: www.lv.it - E-mail: info@lv.it FORGED STEEL VALVES Cod. Fisc. a P.A. 03076750169 - Cap. Soc. € 8.000.000,00 i.v. Registro Imprese BG 03076750169 - R.E.A. 347477 VAT Registration Number: IT 03076750169 Società affiliata al consorzio di garanzia ALIABE, srl Reg. Imp. BG n° 0260320169		CHEMICAL ANALYSIS <table border="1"> <tr> <th>C</th> <th>Mn</th> <th>Si</th> <th>S</th> <th>P</th> <th>Cr</th> <th>Mo</th> <th>Ni</th> <th>Ti</th> <th>Cu</th> <th>Fe</th> <th>MILL #</th> </tr> <tr> <td>Al</td> <td>Co</td> <td>N</td> <td>V</td> <td>Nb</td> <td>Sn</td> <td>CE</td> <td>Nb+Ta</td> <td>As</td> <td></td> <td></td> <td></td> </tr> </table>				C	Mn	Si	S	P	Cr	Mo	Ni	Ti	Cu	Fe	MILL #	Al	Co	N	V	Nb	Sn	CE	Nb+Ta	As																																																																																																																																																						
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COMPONENT PART NAME: BONNET HEAT CODE: DIN 17243 (1.0460) C22.8 MATERIAL: 131373 HEAT NR: EN 10269 (1.7709) 21CrMoV5.7 409304 EN 10272 (1.4006) X12Cr13 413047 EN 10272 (1.4006) X12Cr13 DISC BODY B-DCA		MECHANICAL PROPERTIES. IMPACT TESTS <table border="1"> <tr> <th>TENSILE</th> <th>YIELD</th> <th>ELONGATION</th> <th>RED. OF AREA</th> <th>1 JOULE</th> <th>2 JOULE</th> <th>3 JOULE</th> <th>TEST TEMP.</th> <th>HARDNESS</th> <th></th> <th></th> </tr> <tr> <th>N/mm²</th> <th>N/mm²</th> <th>%</th> <th>%</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>0.181</td> <td>0.048</td> <td>0.199</td> <td>0.003</td> <td>0.008</td> <td>0.085</td> <td>0.023</td> <td>0.139</td> <td></td> <td>0.238</td> <td>018085</td> </tr> <tr> <td>0.023</td> <td></td> <td></td> <td>0.001</td> <td>0.001</td> <td>0.015</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>527.00</td> <td>363.00</td> <td>31.00</td> <td>68.30</td> <td>177</td> <td>188</td> <td>179</td> <td>20.00</td> <td>150.00</td> <td></td> <td></td> </tr> <tr> <td>0.190</td> <td>0.560</td> <td>0.350</td> <td>0.002</td> <td>0.014</td> <td>1.400</td> <td>0.730</td> <td></td> <td></td> <td></td> <td>019532</td> </tr> <tr> <td></td> <td></td> <td></td> <td>0.340</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>817.00</td> <td>747.00</td> <td>18.90</td> <td>67.50</td> <td></td> <td></td> <td></td> <td></td> <td>229.00</td> <td></td> <td></td> </tr> <tr> <td>0.130</td> <td>0.740</td> <td>0.400</td> <td>0.026</td> <td>0.018</td> <td>12.150</td> <td></td> <td>0.140</td> <td></td> <td></td> <td>020118</td> </tr> <tr> <td>684.00</td> <td>619.00</td> <td>20.00</td> <td>66.00</td> <td></td> <td></td> <td></td> <td></td> <td>219.00</td> <td></td> <td></td> </tr> <tr> <td>0.108</td> <td>0.400</td> <td>0.450</td> <td>0.023</td> <td>0.018</td> <td>12.100</td> <td></td> <td>0.360</td> <td></td> <td></td> <td>020435</td> </tr> <tr> <td>682.00</td> <td>604.00</td> <td>21.00</td> <td>70.00</td> <td></td> <td></td> <td></td> <td></td> <td>210.00</td> <td></td> <td></td> </tr> <tr> <td>0.190</td> <td>0.828</td> <td>0.216</td> <td>0.009</td> <td>0.105</td> <td>0.033</td> <td>0.152</td> <td>0.003</td> <td>0.291</td> <td></td> <td>020314</td> </tr> <tr> <td>0.028</td> <td></td> <td></td> <td>0.001</td> <td>0.002</td> <td>0.013</td> <td>0.384</td> <td>0.009</td> <td></td> <td></td> <td></td> </tr> <tr> <td>497.00</td> <td>338.00</td> <td>30.00</td> <td>64.00</td> <td>206</td> <td>65</td> <td>108</td> <td>-20.00</td> <td>141.00</td> <td></td> <td></td> </tr> </table>										TENSILE	YIELD	ELONGATION	RED. OF AREA	1 JOULE	2 JOULE	3 JOULE	TEST TEMP.	HARDNESS			N/mm ²	N/mm ²	%	%								0.181	0.048	0.199	0.003	0.008	0.085	0.023	0.139		0.238	018085	0.023			0.001	0.001	0.015						527.00	363.00	31.00	68.30	177	188	179	20.00	150.00			0.190	0.560	0.350	0.002	0.014	1.400	0.730				019532				0.340								817.00	747.00	18.90	67.50					229.00			0.130	0.740	0.400	0.026	0.018	12.150		0.140			020118	684.00	619.00	20.00	66.00					219.00			0.108	0.400	0.450	0.023	0.018	12.100		0.360			020435	682.00	604.00	21.00	70.00					210.00			0.190	0.828	0.216	0.009	0.105	0.033	0.152	0.003	0.291		020314	0.028			0.001	0.002	0.013	0.384	0.009				497.00	338.00	30.00	64.00	206	65	108	-20.00	141.00		
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TAG: DAVR416001E001 TEST PRESSURES: <input checked="" type="checkbox"/> BAR <input type="checkbox"/> PSI TEST RESULT: <input checked="" type="checkbox"/> CONFORM <input type="checkbox"/> NOT CONFORM HYDROSTATIC AND PNEUMATIC: <input checked="" type="checkbox"/> CONFORM <input type="checkbox"/> NOT CONFORM VISUAL AND DIMENSIONAL TEST: <input checked="" type="checkbox"/> CONFORM <input type="checkbox"/> NOT CONFORM BODY & SEAT BACKSEAT: 60 45 6 HYDROSTATIC PNEUM. SEAT: 60 45 6		We declare that this product has been manufactured in accordance with the 'Sound Engineering Practice' as per European Directive 97/23/EC - PED Article 3.3. - EACH SINGLE COMPONENT OF THE VALVE WHICH IS MENTIONED IN THIS CERTIFICATE HAS BEEN MANUFACTURED, HEAT TREATED AND TESTED FULLY IN ACCORDANCE WITH ITS OWN MATERIAL SPECIFICATION AS ABOVE INDICATED - THE REPORTED VALUES ARE STRICTLY IN ACCORDANCE WITH THE ORIGINAL MILL CERTIFICATES THIRD AUTHORITY: _____ CLIENT INSPECTION DEPT: _____ INSPECTION DEPT: _____ DATE: _____ DATE: 10/09/2004 LVF S.p.A. Quality Control Dept.																																																																																																																																																																														

NOTES
 * HARD FACING OVERLAY: AWS R Co Cr A (STELLITE GR. 6)
 MATERIAL ACCORDING TO AD2000-MERKBLATT A4

V 12 001, V 12 002
 V 12 071, V 43 081

