

PEEKAY STEEL CASTINGS (P) LTD

4/242 Chinnamaddampalayam, Billichi Post, Coimbatore - 641019

INSPECTION CERTIFICATE

EN 10204.3.1 and LGS 0213

Customer:		Order No/D	ate	Internal Reference	TCNo	PKC/EXP/626/GST/1819/9	
LESER GmbH	_Co. KG	4500234951 & 07/11/18		•••••	Date	04-Apr-2019	
F.P. No	Part Name]	Drawing No	Item Code / Part No			
LS18B	DN100X150 PN40X16 BC	DDY	109.2	4400-05-B01/B02	109.2420.9000		
Specification /	Material				No.of pieces		
ASME SA216	Gr.WCB/WCC/EN10213:20	22					
	Heat treatment		Melting Proce	ess	State of Delivery		

Normalising at 920°C Soaking 7 Hrs Air Cooled						INDUCTION				Unmachined							
Element		С	Mn	Si	P	S	Cr	Ni	Cu	Mo	V	Res					
Min. Specified		0.180	0.500	0.300													
Max. Specified		0.230	1.200	0.600	0.030	0.020	0.300	0.400	0.300	0.120	0.030	1.000					
Heat No	Qty																
E6978	1	0.219	0.996	0.478	0.019	0.011	0.065	0.041	0.014	0.005	0.002	0.127					
E6979	2	0.205	0.949	0.458	0.020	0.014	0.093	0.081	0.017	0.017	0.002	0.210					
E7068	2	0.205	0.977	0.460	0.014	0.019	0.213	0.070	0.016	0.019	0.002	0.320					
E7090	3	0.187	0.931	0.437	0.012	0.016	0.223	0.083	0.021	0.018	0.003	0.348					
E7192	3	0.193	0.988	0.445	0.014	0.020	0.116	0.054	0.017	0.015	0.002	0.204					
E7223	7	0.208	0.928	0.459	0.011	0.018	0.078	0.055	0.014	0.007	0.001	0.155					
E7251	4	0.192	0.924	0.478	0.015	0.013	0.116	0.062	0.026	0.009	0.002	0.215					

Mechanical	Yield	Tensile	Elongation	Reduction	Hardness	Impac	Impact value charpy-V ASTM-370/				
Properties	Strength	Strength	GL=62.50	of Area	ISO 148 at 20°C in KV				(V(J)		
Min	275	485	22	35	(10mm x 10mm x 55mm) CVN 2						
Max		600			237	5	27 J				
Heat Code	Mpa	Mpa	%	%	HBW	1	2	3	Avg		
E6978	306.00	523.00	28.16	55.42	163	78	84	80	81		
E6979	307.00	518.00	28.22	55.42	156	83	86	72	80		
E7068	317.00	536.00	27.78	56.70	156	81	78	83	81		
E7090	341.00	549.00	27.78	56.77	152	86	80	78	81		
E7192	323.00	538.00	28.58	56.99	152	80	76	79	78		
E7223	316.00	544.00	28.19	55.85	156	79	76	82	79		
E7251	342.00	567.00	28.38	56.70	163	84	82	80	82		

Remarks/Observations

 $Material\ According\ to: LDeS 3290.04, LDeS 3289.07\ \&\ ASME\ Section\ VIII\ \&\ IIA\ SA216\ Gr.WCB/WCC/EN\ 10213:2016\ 1.0619, EN10168\&NACE\ MR0175/ISO15156, MR0103. PED\ 2014/68/EU.\ AD2000\ Merkblatt: A2\ ,W5.$

Casting conforming to Quality Level D as per DIN 1690 part 10& 1559-1, 1559-2.

Visual inspection of Casting: Satisfactory According to MSS-SP-55 & BNIF 359-01.

Dimensional inspection: Satisfactory, According to Approved Drawing

Castings are free from radio active contamination.

Certified that the above mentioned material have been manufactured, tested and inspected in compliance with the requirements of Purchase order, conform in all respects to the relevant specification and drawings.

Suppliers Logo

Prepared by

David Selvakumar

Stamp

Colombaters

Colombaters

Sal 015

Approved by

Vijaya Kumar K

