



High Pressure and High Temperature Gas Test	
20" Class 3100 Special Carbon Steel Gate Valve (Prototype)	
Customer: <i>M/s Larsen & Toubro Limited</i> Customer PO : EPC/E05/21000-00258/MBV Dated: 27.05.2010 End Client: <i>Andhra Pradesh Power Development Corporation Limited</i>	TUV Job No. : 8107255004
Manufacturer: <i>M/s L&T Valves, Coimbatore</i>	Dated : 27-Nov-2010
Test Valve Description :	
Type	Pressure Seal Gate Valve
Size and Pressure Class Rating	20" (DN 500) Class 3100 Special
Material Specification	Body Material : ASTM A216 Gr WCC Bonnet Material : ASTM A216 Gr WCC + Stellite 6 [HF] Disc Material : ASTM A105 + Stellite 6 [HF] Seat Ring Material : ASTM A105 + Stellite 6 [HF]
End Type	Butt Weld End
Reference Documents :	
Valve Test Procedure No.	LTF-EP-63 Revision 2
General Assembly Drawing No	LT-HPHT-GAD-001 Revision 0
Valve Testing Arrangement Drawing No.	LT343051 Revision 0
Valve Test Report	LT-HPHT-003
Test Parameters / Conditions :	Test Fluid - Nitrogen gas
Gas Test Pressures at Temperatures	443 bar at 194°C - Allowable Leakage Rate: 90 cc/min 519 bar at 150°C - No Pressure Drop Allowed 588 bar at ambient - Allowable Leakage Rate : 9 cc/min
Mechanical Cycles	5 Cycles at 535 bar (Ambient) - No Pressure Drop Allowed 5 Cycles at 443 bar (194°C) - No Pressure Drop Allowed
Conclusions / Remarks :	
The above valve test has been witnessed and found to be acceptable as per test procedure.	
 <p>M. Ravikumar TUV India Surveyor</p>	

High Pressure and High Temperature Gas Test	
6" Class 3100 Special - Alloy Steel Gate Valve (Prototype)	
Customer: M/s Larsen & Toubro Limited Customer PO : EPC/E05/21000-00258/MBV Dated: 27.05.2010 End Client: Andhra Pradesh Power Development Corporation Limited Manufacturer: M/s L&T Valves, Coimbatore	TUV Job No. : 8107255004 Dated : 24-Feb-2011
Test Valve Description :	
Type	Pressure Seal Gate Valve
Size and Pressure Class Rating	6" (DN 150) Class 3100 Special
Material Specification	Body Material : ASTM A217 Gr C12A Bonnet Material : ASTM A217 Gr C12A + Stellite 6 [HF] Disc Material : ASTM A182 Gr. F91 + Stellite 6 [HF] Seat Ring Material : ASTM A182 Gr. F91 + Stellite 6 [HF]
End Type	Flanged
Reference Documents :	
Valve Test Procedure No.	LTF-EP-59 Revision 2
General Assembly Drawing No	LT-HPHT-GAD-002 Revision 0
Valve Testing Arrangement Drawing No.	LT343052 Revision 0
Valve Test Report	LT-HPHT-006
Test Parameters / Conditions :	
	Test Fluid - Nitrogen gas
Gas Test Pressures at Temperatures	265 bar at 575°C - Allowable Leakage Rate: 27 cc/min 510 bar at 180°C - No Pressure Drop Allowed 588 bar at ambient - Allowable Leakage Rate : 2.7 cc/min
Mechanical Cycles	5 Cycles at 535 bar (Ambient) - No Pressure Drop Allowed 5 Cycles at 265 bar (575°C) - No Pressure Drop Allowed
Conclusions / Remarks :	
The above valve test has been witnessed and found to be acceptable as per test procedure.	
 K S Sajeesh Surveyor 