




Folder: PRJC-548621-2016-LAB
 ARG
 Cert. No: 209388-2016-OTH-ARG

DET NORSKE VERITAS

FIRE TEST REPORT


Date of test: 2016-10-15			
Place: Calle 4 N° 4365, Berazategui, Province of Bs As			
Manufacturer:	Name:	FAVRA S.A.	
Specification:	API Spec-6FA edition 2011		
Acc to plane N°	J406A08ERSVMABAFFAAB		
Valve description:	PLUG VALVE MOD FAVRA 2174		
	Marked:	MSS-SP 112 / MSS-SP 55	
	Type:	6"	
	Class:	600	
	Material in body:	ASTM A 216 Gr: WCB	
	Marking of valve:	FAVRA	
	Gear Box details:	Grafite Teflon	
	Body joint:	----	
	Manufacturer's drawings	FABRA S.A.I.C.	
Fire tested valve has passed all the required hydrostatic and production pressure tests required by the standard to which the valve was manufactured.		<i>(Manufacturer's statement)</i>	
Fire Test Results:			
Time of test start:	08:35	Test pressure during burn and cool-down:	75 bar
Temperature recorded at start and 30 s intervals		<i>(attached report 1)</i>	
Through –seat leakages during Burn period:			
Maximum leak rate:	2400 cm ³ /min; 127.200 cm ³	Leak measured:	13.750 cm ³
External leakage during burn and cool-down period:			
Maximum leak rate:	600 cm ³ /min; 31.800 cm ³	Leak measured:	10.200 cm ³
Time required for valve to cool to 100°C:		23 min	
Through-seat leakages (low pressure test) for valves PN 100 and Class 600 and lower:			
Maximum leak rate:	240cm ³ /min; 1200cm ³	Leak measured:	0 cm ³
External leakage (low pressure test) for valves PN 100 and Class 600 and lower			
Test valve unseated and moved to the fully open position:	Yes		
External leakage in the open position:			
Maximum leak rate:	1200 cm ³ /min; 600 cm ³	Leak measured:	0 cm ³
Test valve complied with this international Standard:	YES		
Test witness by:	Luis Rodríguez	Det Norske Veritas.	
		 Surveyor	

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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DET NORSKE VERITAS FIRE TEST REPORT

Date of test: 2016-10-29			
Place: Calle 4 N° 4365, Berazategui, Province of Bs As			
Manufacturer:	Name:	FAVRA S.A.	
Specification:	API Spec-6FA edition 2011		
Acc to plane N°	J406A08ERSVMABAFFAAB		
Valve description:	PLUG VALVE MOD FAVRA 2174		
	Marked:	MSS-SP 112 / MSS-SP 55	
	Type:	2 "	
	Class:	600	
	Material in body:	ASTM A 216 Gr: WCB	
	Marking of valve:	FAVRA	
	Gear Box details:	Grafite Teflon	
	Body joint:	----	
	Manufacturer's drawings	FAVRA S.A.I.C	
Fire tested valve has passed all the required hydrostatic and production pressure tests required by the standard to which the valve was manufactured.		<i>(Manufacturer's statement)</i>	
Fire Test Results:			
Time of test start:	08:01	Test pressure during burn and cool-down:	75 bar
Temperature recorded at start and 30 s intervals		<i>(attached report 1)</i>	
Through –seat leakages during Burn and Cool Down period:			
Maximum leak rate:	800 cm3/min; 32800 cm3	Leak measured:	9000 cm3
External leakage during burn and cool-down period:			
Maximum leak rate:	200 cm3/min; 8200 cm3	Leak measured:	2700 cm3
Time required for valve to cool to 100°C:		11 min	
Through-seat leakages (low pressure test) for valves PN 100 and Class 600 and lower:			
Maximum leak rate:	80 cm3/min; 400cm3	Leak measured:	0 cm3
External leakage (low pressure test) for valves PN 100 and Class 600 and lower:			
Maximum leak rate:	40 cm3/min; 200 cm3	Leak measured:	0 cm3
Test valve unseated and moved to the fully open position:		Yes	
External leakage in the open position:			
Maximum leak rate:	400cm3/min; 2000cm3	Leak measured:	0 cm3
Test valve complied with this international Standard:		YES	
Test witness by:	Luis Rodríguez	Det Norske Veritas.	
		 Surveyor	

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