Lloyd's Register

Project:

Certificate Number: HAV 0002033/2A1

Client: SGD MECA INOX

Office: LE HAVRE

Client's Order Number:

Date: 5 June 2000

Order Status: Complete

Inspection Dates
First: and

Final: 14 March 2000

This certificate is issued to

S.G.D MECA INOX , 32 Rue des Routies 60850 LE COUDRAY ,ST GERMER FRANCE , to certify that at their request , A. GRAFHAM ,a Surveyor to this Society did attend the works of S.N.E.R. ,Z.I. La BERGERIE 27 GAILLON (FRANCE) on the 14 March 2000in order to witness fire test carried out on:

1 BALL VALVE DN 10- PN 100.-PS4 - Material body : ASTM A 240 Gr 316 L. Drawing N°11587/11595

The test has been performed according to API 6 FA- BS 6755 Part 2 and S.N.E.R. procedure N° PT 0080/97-01 requirements.

The valve has been submitted to an hydro test at an high pressure (74.5 B.)
Then submitted to a fire test during 30 mn; during the test the average temperature of the calorimeters was found around 650 °C. During the test the internal pressure of the valve, the flame temperatures, the calorimeter temperatures have been recorded and are shown on the S.N.E.R. report N° PV S 5664 which is part of this certificate.

After the test when the temperature of the valve was below 100 °C. the valve was submitted in the closed position to a low pressure test (7.2 bar).

Then the pressure was increased to 74.5 B. and the valve was operated ,the operating torque was noted, and submitted to an high pressure test (74.5 B.) in open position.

All the test and checks gave satisfactory results , in accordance with API 6 FA and BS 6755 part 2 criteria.

H. WALLE for A. GRAFHAM
Surveyors to LLOYD'S REGISTER

Lloyd's Register

Certificate Number: HAV 0002033/1/A1

SD MECA INOX

Office: LE HAVRE

Client's Order Number:

Date: 20 March 2000

Order Status: Complete

Inspection Dates
First: and

Final: 14 March 2000

This certificate is issued to

S.G.D MECA INOX, 32 Rue des Routiers 60850 LE COUDRAY, ST GERMER, FRANCE, to certify that at their request, A. GRAFHAM, a Surveyor to this Society did attend the works of S.N.E.R, Z.I. La BERGERIE 27 GAILLON (FRANCE) on the 14 March 2000 in order to witness fire test carried out on :

1 BALL VALVE DN 40 -PN 50. - PS4 - Material body : ASTM A 240 Gr 316 L. Drawing N°11587/11595

The test has been performed according to API 6 FA - BS 6755 Part 2 and S.N.E.R. procedure N°PT 0080/97-01 requirements.

The valve has been submitted to an hydro test at an high pressure (37 B.)
Then submitted to a fire test during 30 mn; during the test the average temperature of the calorimeters was found around 650°C. During the test the internal pressure of the valve, the flame temperatures, the calorimeter temperatures have been recorded and are shown on the S.N.E.R. report N°PV S 5665 which is part of this certificate.

After the test when the temperature of the valve was below 100°C the valve was submitted in the closed position to a low pressure test (3.4 bar).

Then the pressure was increased to 37.2 B and the valve was operated, the operating torque was noted, and submitted to an high pressure test (37.2 B) in open position.

All the test and checks gave satisfactory results, in accordance with API 6 FA and BS 6755 part 2 criteria.

H. WALLE for A. GRAFHAM
Surveyors to Lloyd's Register

Lloyd's Register

Project:		*Certificate Number:*	HAV 9902099/A2
Client:	SGD MECA INOX	*Office:*	Le Havre
Client's Order Number:		*Date:*	13 June 2000
		Order Status:	Complete
Inspection Dates First:	and	*Final:*	24 November 1999

This certificate is issued to

S.G.D MECA INOX , 32 Rue des Routies 60850 LE COUDRAY , ST GERMER FRANCE ., to certify that at their request , H. WALLE, the undersigned Surveyor to this Society did attend the works of S.N.E.R. ,Z.I. La BERGERIE 27 GAILLON (FRANCE) on the 24 Th.November 1999 in order to witness fire test carried out on:

1 BALL VALVE DN 20 PN 100.-PS4 - Material body : ASTM A 240 Gr 316 L. Drawing N°11587/11595

The test has been performed according to API 6 FA- BS 6755 Part 2 and S.N.E.R. procedure N° PT 0080/97-01 requirements.

The valve has been submitted to an hydro test at an high pressure (74.5 B.) Then submitted to a fire test during 30 mn; during the test the average temperature of the calorimeters was found around 650 °C. During the test the internal pressure of the valve, the flame temperatures, the calorimeter temperatures have been recorded and are shown on the S.N.E.R. report N° PV S5234 which is part of this certificate.

After the test when the temperature of the valve was below 100 °C. the valve was submitted in the closed position to a low pressure test (7.5 bar).

Then the pressure was increased to 74.5 B. and the valve was operated ,the operating torque was noted, and submitted to an high pressure test (74.5 B.) in open position.

All the test and checks gave satisfactory results , in accordance with API 6 FA and BS 6755 part 2 criteria.

J.L. AUSSENAC for H. WALLE
Surveyors to LLOYD'S REGISTER

LLOYD'S REGISTER J.L. AUSSENAC LE HAVRE