



Ghatage Patil Industries Limited

Uchgaon, Tal -Karveer, Dist Kolhapur Maharashtra Pin - 416005
(EN 10204-3.1)

CERTIFICATE OF COMPLIANCE

VALVE SR.NO

:

137907

GHATAGE PATIL INDUSTRIES LTD. - VALVE DIVISION - UCHGAON, KOLHAPUR, MAHARASHTRA, INDIA - CERTIFIES THAT THE PRODUCT

VALVE TYPE : CX 295M 8RD DDNL-LU-1-2
CUSTOMER PART NO. : 110026-L32144-AC0500-00000-A
SERIAL NO. : 137907
PURCHASE ORDER NO. : 0002906 - 1 & 3 , Dated May .11, 2012
BUYER : OMNI VALVE

CER 0414

are manufactured and comply the technical specification

API 6A 20TH EDITION, OCTOBER 2010.

GPI Marking Spec. : 475 102 000

Product Code : 94531710

The Product Confirms to the following Requirements:

MATERIAL CLASS	DD-NL
MAX HARDNESS	235 HBW
PR	2
PSL	1
TEMP CLASS	L+U
TRIM	CS,CS,CS,TFE
BODY	ASTM A487-4C-60K
BONNET	AISI 4130-60K
STEM	AISI 4130-75K - NITRIDED + MOLYCOATED
GATE MAJOR	AISI 4130-75K - NITRIDED + MOLYCOATED
GATE MINOR	AISI 4130-75K - NITRIDED + MOLYCOATED
SEAT 1	AISI 4130-75K - NITRIDED + MOLYCOATED
SEAT 2	AISI 4130-75K - NITRIDED + MOLYCOATED
STUD	ASTM A320 L7M

MONTH OF MANUFACTURING : September 2012

[Signature]

DGM (QA)



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CERTIFICATE OF PRESSURE TEST		VALVE SR.NO. : 137907			
TYPE OF VALVE	6A GATE VALVE				
MATERIAL CLASS	MAX HARDNESS	PR	PSL	TEMP CLASS	TRIM
DD-NL	235 HBW	2	1	L+U	CS,CS,CS,TFE
BODY,BONNET,EXPANDING GATE,NON RISING STEM.					
TEST	PRESSURE HOLDING PERIOD	TEST PARAMETERS MINIMUM		TEST RESULTS	
		PRESSURE (PSI)	DURATION (Min)		
HYDROSTATIC BODY TEST	Primary	7500	3	NO VISIBLE LEAKAGE UNDER TEST PRESSURE HOLD PERIOD.	
HYDROSTATIC BODY TEST.	Secondary	7500	3	NO VISIBLE LEAKAGE UNDER TEST PRESSURE HOLD PERIOD.	
HYDROSTATIC SEAT TEST (BOTH SIDE)	Primary	5000	3	NO VISIBLE LEAKAGE UNDER TEST PRESSURE HOLD PERIOD.	
HYDROSTATIC SEAT TEST (BOTH SIDE).	Secondary	5000	3	NO VISIBLE LEAKAGE UNDER TEST PRESSURE HOLD PERIOD.	
Pressure Test Methods	: AS PER ISO:10423:2009:MOD,& API 6A 20TH EDITION OCTOBER 2010				
Testing Fluid	: WATER WITH EMULSIFIED CUTTING OIL AS RUST PREVENTIVE.				
DRIFT TEST	The Drift mandrell pass through the valve bore .	Yes	No		
		X			



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MATERIAL CERTIFICATE

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HEAT CODE OF VALVE PARTS

BODY	BONNET	STEM	GATE MAJOR	GATE MINOR	SEAT 1	SEAT 2	STUD
12U200	PP70	DT57	B1L007	JF116	121E12	121E12	D-838

CHEMICAL COMPOSITION (%)

HEATCD	MATERIAL	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Cu %	V %
12U200	ASTM A487-4C-60K	0.210	0.450	0.890	0.010	0.030	0.630	0.630	0.220	0.030	0.020
PP70	AISI 4130-60K	0.310	0.220	0.500	0.010	0.010	0.900	0.100	0.170	-	-
DT57	AISI 4130-75K	0.330	0.220	0.590	0.020	-	0.880	0.080	0.160	-	-
B1L007	AISI 4130-75K	0.310	0.240	0.530	0.010	0.010	1.090	0.120	0.150	-	-
JF116	AISI 4130-75K	0.290	0.330	0.580	0.020	0.020	0.980	0.140	0.170	-	-
121E12	AISI 4130-75K	0.290	0.220	0.430	0.020	0.020	0.890	0.150	0.190	-	0.020
121E12	AISI 4130-75K	0.290	0.220	0.430	0.020	0.020	0.890	0.150	0.190	-	0.020
D-838	ASTM A320 L7M	0.380	0.220	0.770	-	0.030	1.030	-	0.220	-	-

MECHANICAL PROPERTIES

HEATCD	MATERIAL	PART	YIELD PSI	TENSILE PSI	ELONG %	REDU %	QTC HARDNESS HBW	IMPACT (J) VALUE 1	IMPACT (J) VALUE 2	IMPACT (J) VALUE 3	IMPACT TESTED AT (-)DEG.C
12U200	ASTM A487-4C-60K	BODY	74686.000	98953.000	27.600	48.320	221.000	46.000	52.000	58.000	-46.000
PP70	AISI 4130-60K	BONNET	78997.000	95382.000	26.640	69.380	217.000	86.000	96.000	100.000	-46.000
DT57	AISI 4130-75K	STEM	111817.000	127118.000	20.720	61.730	212.000	84.000	94.000	92.000	-
B1L007	AISI 4130-75K	GATE MAJOR	86276.000	103419.000	27.170	71.670	217.000	180.000	190.000	200.000	-
JF116	AISI 4130-75K	GATE MINOR	82429.000	101625.000	21.200	66.750	235.000	35.000	37.000	45.000	-
121E12	AISI 4130-75K	SEAT 1	76727.000	96992.000	25.270	46.250	212.000	35.000	47.000	52.000	-46.000
121E12	AISI 4130-75K	SEAT 2	76727.000	96992.000	25.270	46.250	212.000	35.000	47.000	52.000	-46.000
D-838	ASTM A320 L7M	STUD	97398.000	119337.000	20.000	64.950	215.000	62.000	60.000	54.000	-72.000

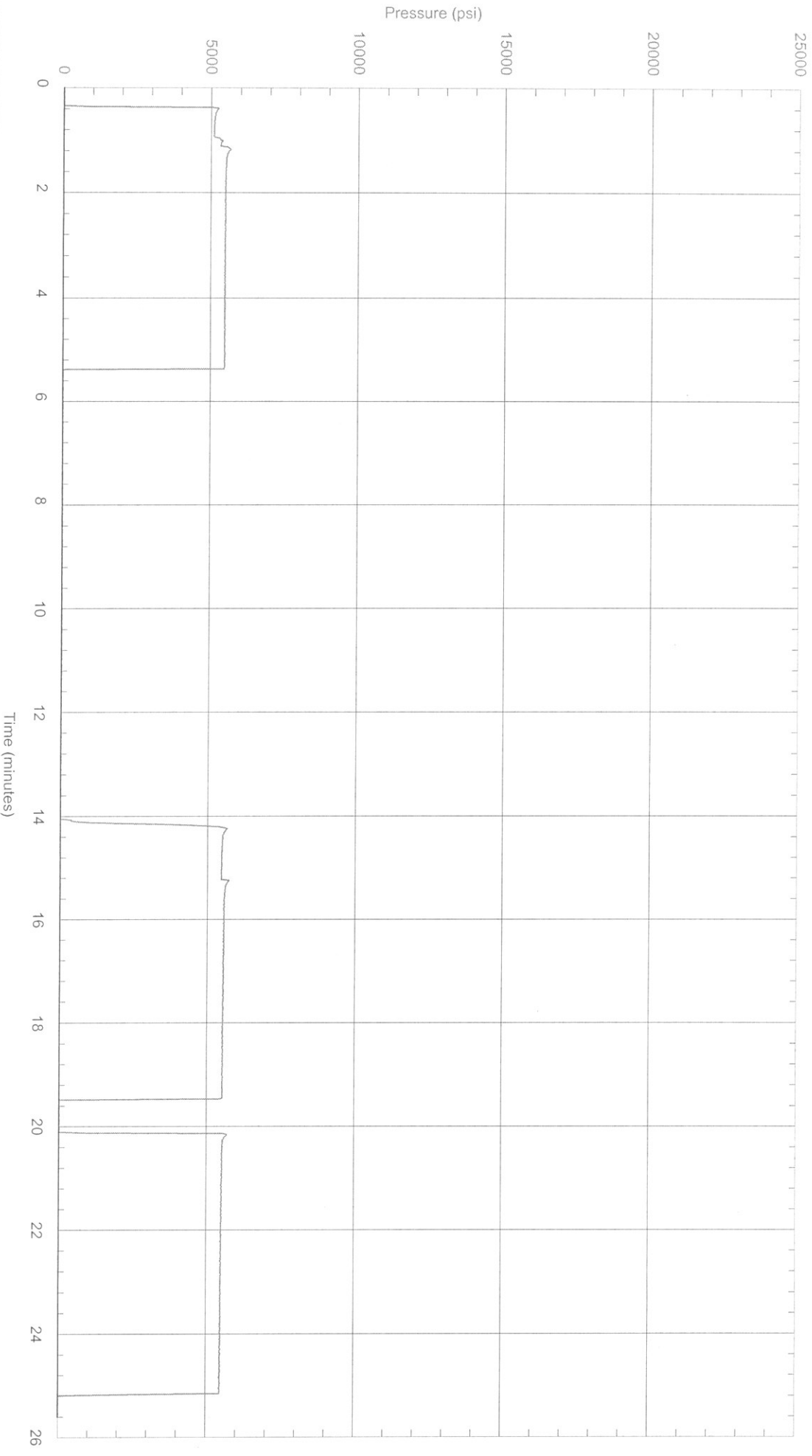
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H.T PERFORMED IN ACCORDING WITH ROUTING SHEET	HEATING TEMP. (DEG.C)		HOLDING PERIOD. (Min.)		TYPE	QUENCH BATH TEMP Deg.C	
	SET	EFFECTIVE	SET	EFFECTIVE		BEFORE	AFTER
BODY							
NORMALISING	925 +/-	5	920	3 Hrs.	3 Hrs.	Air	-
QUENCHING	875 +/-	5	880	3 Hrs.	3 Hrs.	Water	35
TEMPERING 1	675 +/-	5	680	3 Hrs.	3 Hrs.	Air	-

Shelf life of Elastomer is five years when stored properly

C 11/16 Barton Threaded Gate Valve



Date: March 07, 2014 03:44:38 PM
W/O 85883
S/N CER-0414
Test Unit: Chart 4
Tested By: Frank