

LEAKAGE TEST REPORT

R2TC KNAPHEIDE

LEAKAGE TEST

ISO 1402 : 2009

ITEMS :

1/4" – 3/8"-1/2"- 3/4" R2TC (2SC) KNAPHEIDE

FDG0404-FDG0606-FDG0808- FDG1212

B1SC04-B1SC06-B1SC08-B1SC12

- 1. 1/4" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 1120 bar*
- 2. 3/8 " R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 980 bar*
- 3. 1/2" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 770 bar*
- 4. 3/4" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 602 bar*

DATE: 29/05/2017

TESTER: CQ3

1. 1/4" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 1120 bar

LEAKAGE TEST

ISO 1402 : 2009

HYDROSTATIC PRESSURE TEST - UNI EN ISO 1402

EN857 2SC


Hose Type	Sample number	Ferrule	C.D. (mm)	Fittings/ Adaptors/ plugs	WP (bar/ psi)	Test press. (TP)	Test cycle
1/4" R2TC 2SC KNAPHEIDE	1	B1SC04	16	FDG0404 ATMG04	HOSE: 400/5800 FITTINGS: 450/6500	1120 bar 19493 psi (70% MIN B.P.)	1ST STEP) 5 minutes at (TP) 2ND STEP) 0 BAR 3RD STEP) 5 minutes at (TP)



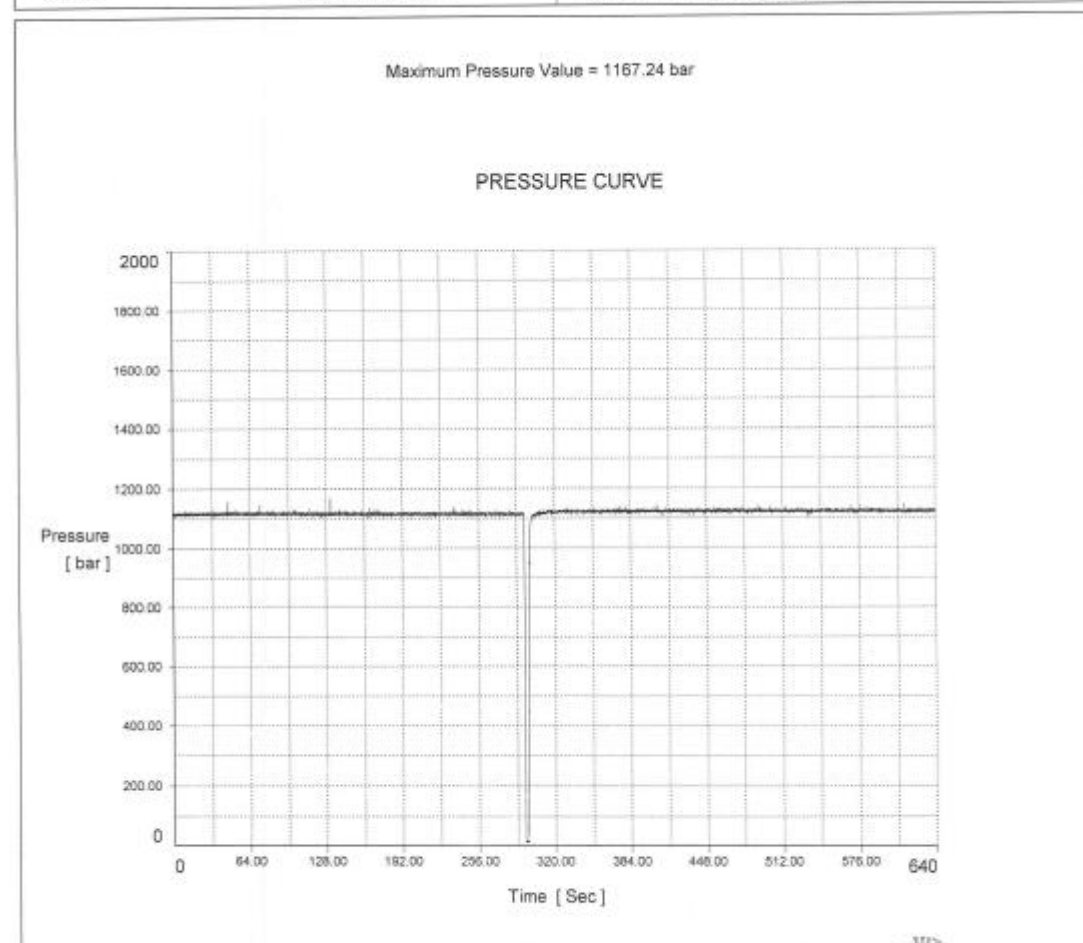
TEST	RESULTS
TEST 1	TEST COMPLETED WITHOUT LEAKAGES AT 1120 bar



Vitillo

 Vitillo	LEAKAGE TEST REPORT	Date: 29/ 5/ 2017	Test N° 00000004
		Time: 15.57.01	

Batch N°:	03M/15	Hose Type:	1/4" R2TC
Standard:	EN857 2SC	Internal Diameter (mm):	
Elongation:		Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS46	Outside Diameter:	
Customer:		Nipple:	FDG0404
Working Pressure (bar):	400	Ferrule:	B1SC04
Note 1:	LEAKAGE TEST 1120 bar	Crimping Diameter:	16
Note 2:	KNAPHEIDE R2TC	Standard Burst Pressure (bar):	1600



Operator:	<i>Boris Fodor</i>	Technical Manager:	<i>V. M. [Signature]</i>
-----------	--------------------	--------------------	--------------------------

2. 3/8" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 980 bar

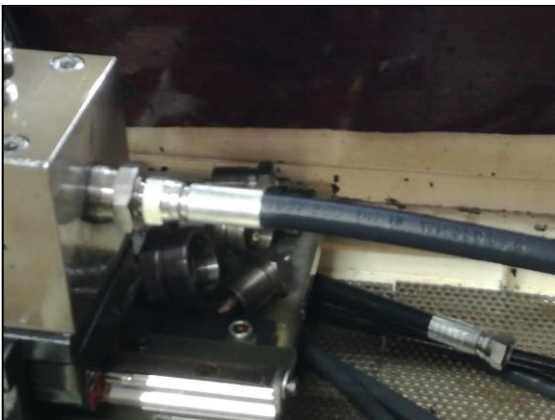
LEAKAGE TEST

ISO 1402 : 2009

HYDROSTATIC PRESSURE TEST - UNI EN ISO 1402

EN857 2SC

Hose Type	Sample number	Ferrule	C.D. (mm)	Fittings/ Adaptors/ plugs	WP (bar/ psi)	Test press. (TP)	Test cycle
3/8" R2TC 2SC KNAPHEIDE	1	B15C06	19	FDG0606 ATMG06	HOSE: 350/5076 FITTINGS: 450/6500	980 bar 14213 psi (70% MIN B.P.)	1ST STEP) 5 minutes at (TP) 2ND STEP) 0 BAR 3RD STEP) 5 minutes at (TP)



TEST	RESULTS
TEST 2	TEST COMPLETED WITHOUT LEAKAGES AT 980 bar



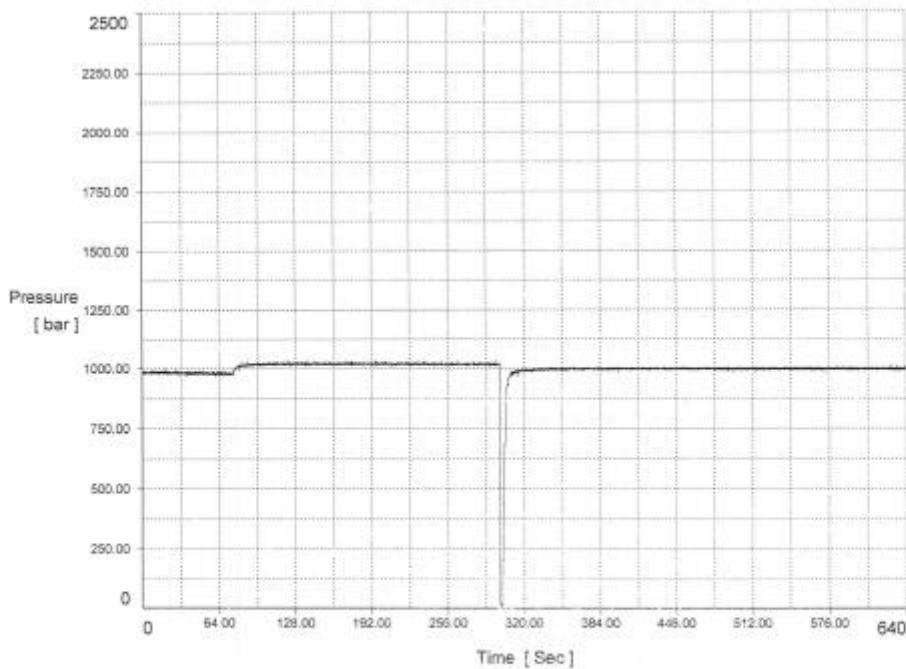
Vitillo

 Vitillo	LEAKAGE TEST REPORT	Date:	29/ 5/ 2017	Test N° 00000017
		Time:	14.32.36	

Batch N°:	2Q 16 W21 A	Hose Type:	3/8" R2TC
Standard:	EN 857 2SC	Internal Diameter (mm):	
Elongation:		Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS46	Outside Diameter:	
Customer:		Nipple:	FDG0606
Working Pressure (bar):	350	Ferrule:	B1SC04
Note 1:	LEAKAGE TEST 980 bar	Crimping Diameter:	19
Note 2:	KNAPHEIDE R2TC	Standard Burst Pressure (bar):	1400

Maximum Pressure Value = 1033.94 bar

PRESSURE CURVE



Operator:	<i>Bore Ferraris</i>	Technical Manager:	<i>Pino...</i>
-----------	----------------------	--------------------	----------------

3. 1/2" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 770 bar

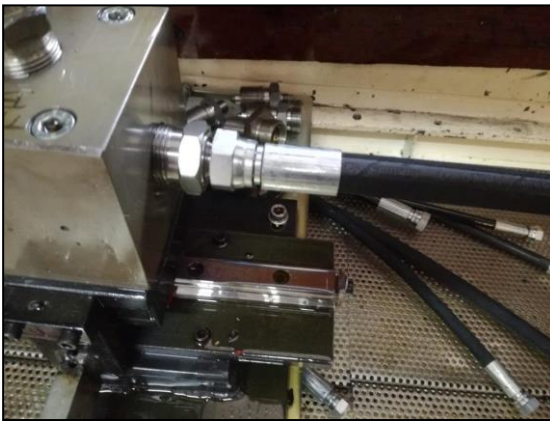
LEAKAGE TEST

ISO 1402 : 2009

HYDROSTATIC PRESSURE TEST - UNI EN ISO 1402

EN857 2SC


Hose Type	Sample number	Ferrule	C.D. (mm)	Fittings/ Adaptors/ plugs	WP (bar/ psi)	Test press. (TP)	Test cycle
1/2" R2TC 2SC KNAPHEIDE	1	B15C08	23.1	FDG0808 ATMG08	HOSE: 275/3990 FITTINGS: 415/6000	770 bar 11167 psi (70% MIN B.P.)	1ST STEP) 5 minutes at (TP) 2ND STEP) 0 BAR 3RD STEP) 5 minutes at (TP)



TEST	RESULTS
TEST 3	TEST COMPLETED WITHOUT LEAKAGES AT 770 bar



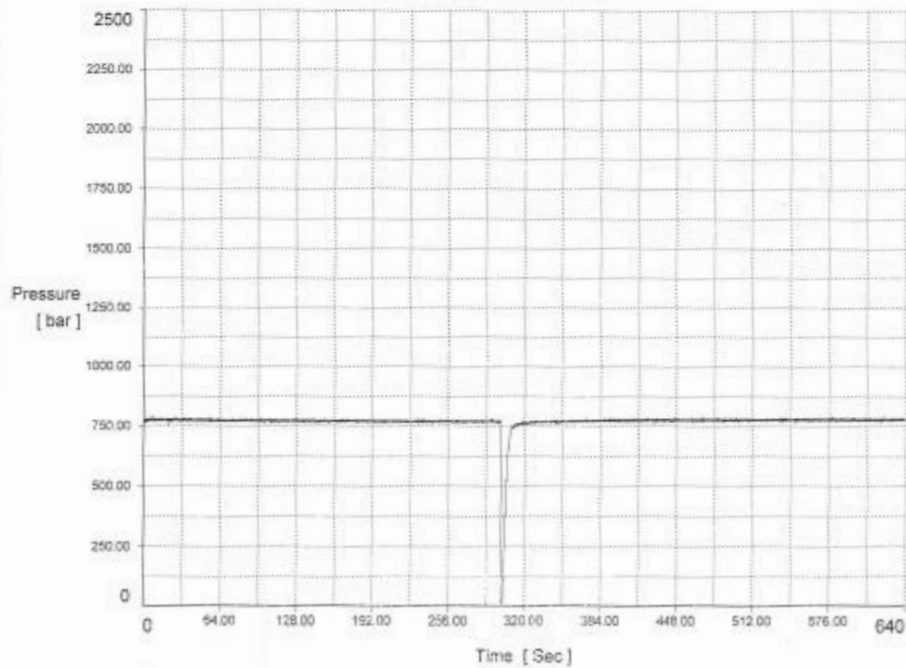
Vitillo

	LEAKAGE TEST REPORT	Date: 29/ 5/ 2017	Test N°
		Time: 15.26.50	00000019

Batch N°:	4Q 16 W46A	Hose Type:	1/2" R2TC
Standard:	EN 857 2SC	Internal Diameter (mm):	
Elongation:		Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS46	Outside Diameter:	
Customer:		Nipple:	FDG0808
Working Pressure (bar):	275	Ferrule:	B1SC08
Note 1:	LEAKAGE TEST 770 bar	Crimping Diameter:	23.1
Note 2:	KNAPHEIDE R2TC	Standard Burst Pressure (bar):	1100

Maximum Pressure Value = 792.97 bar

PRESSURE CURVE



Operator: *Dora Fomisa* Technical Manager: *Jose Luis Fomisa*

4. 3/4" R2TC (2SC) KNAPHEIDE : LEAKAGE TEST AT 602 bar

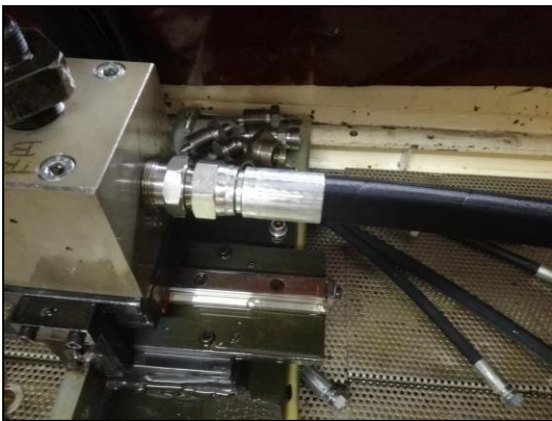
LEAKAGE TEST

ISO 1402 : 2009

HYDROSTATIC PRESSURE TEST - UNI EN ISO 1402

EN857 2SC


Hose Type	Sample number	Ferrule	C.D. (mm)	Fittings/ Adaptors/ plugs	WP (bar/ psi)	Test press. (TP)	Test cycle
3/4" R2TC 2SC KNAPHEIDE	1	B1SC12	30	FDG1212 ATMG12	HOSE: 215/3118 FITTINGS: 350/5000	602 bar 8731 psi (70% MIN B.P.)	1ST STEP) 5 minutes at (TP) 2ND STEP) 0 BAR 3RD STEP) 5 minutes at (TP)



TEST	RESULTS
TEST 4	TEST COMPLETED WITHOUT LEAKAGES AT 602 bar



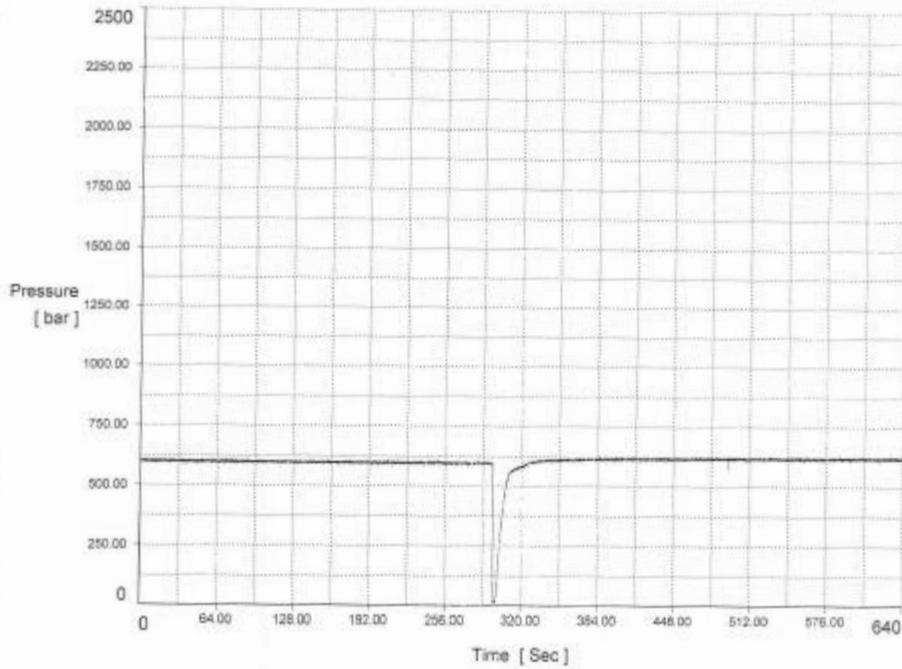
Vitillo

 Vitillo	LEAKAGE TEST REPORT	Date: 29/ 5/ 2017	Test N° 0000020
		Time: 15.47.27	

Batch N°:	2Q 16 W25F	Hose Type:	3/4" R2TC
Standard:	EN 857 2SC	Internal Diameter (mm):	
Elongation:		Reinforcement Diameter (mm):	
Test Fluid:	ANDEROL PS46	Outside Diameter:	
Customer:		Nipple:	FDG1212
Working Pressure (bar):	215	Ferrule:	B1SC12
Note 1:	LEAKAGE TEST 602 bar	Crimping Diameter:	30
Note 2:	KNAPHEIDE R2TC	Standard Burst Pressure (bar):	660

Maximum Pressure Value = 632.32 bar

PRESSURE CURVE



Operator: <i>Boris Polow</i>	Technical Manager: <i>Vitillo</i>
------------------------------	-----------------------------------

SUMMARY

LEAKAGE TEST						
ISO 1402 : 2009						
1 ST STEP) 5 minutes at (TP)						
2 ND STEP) 0 bar						
3 RD STEP) 5 minutes at (TP)						
TEST	Hose Type	Nipple	Ferrule	Adaptors/ Plugs	Test pressure (TP)	Results
1	1/4" R2TC 2SC KNAPHEIDE	FDG0404	B1SC04	ATMG04	1120 bar 19493 psi	POSITIVE TEST COMPLETED WITHOUT LEAKAGE
2	3/8" R2TC 2SC KNAPHEIDE	FDG0606	B1SC06	ATMG06	980 bar 14213 psi	POSITIVE TEST COMPLETED WITHOUT LEAKAGE
3	1/2" R2TC 2SC KNAPHEIDE	FDG0808	B1SC08	ATMG08	770 bar 11167 psi	POSITIVE TEST COMPLETED WITHOUT LEAKAGE
5	3/4" R2TC 2SC KNAPHEIDE	FDG1212	B1SC12	ATMG12	602 bar 8731 psi	POSITIVE TEST COMPLETED WITHOUT LEAKAGE