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TEST REPORT N° 2015 / R 113

TEST ORDER : F0447

DESCRIPTION OF TESTS

**HPG - hose PTFE Acetylen (Length 1125 mm)
(Drwg N°SW1506030)**

manufactured by Specma Wiro

Decomposition Test with C₂H₂

According to EN ISO 14113 Standard

Applicant : Specma Wiro
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SUMMARY

At the request of Specma Wiro company, a decomposition test with acetylene was carried out on a HPG - hose PTFE Acetylene (length 1125 mm) (Drwg N°SW1506030) manufactured by Specma Wiro according to the standard EN ISO 14113 (Gas welding equipment - Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar (45 MPa)).

Test Result :

The HPG - hose PTFE Acetylene (length 1125 mm) (Drwg N°SW1506030) manufactured by Specma Wiro resists to a decomposition test with acetylene according to the standard EN ISO 14113.

N.B. : This report concerns only the samples that have been submitted to tests.

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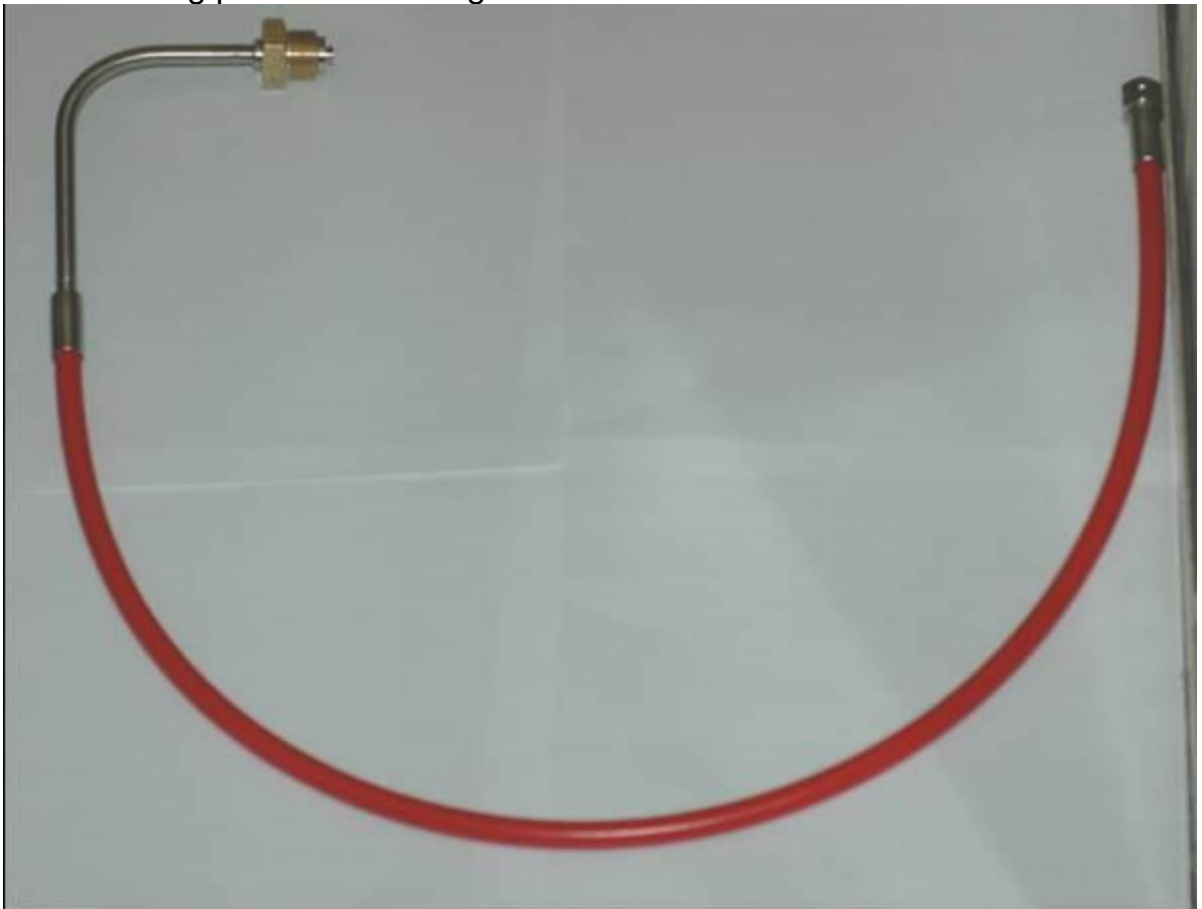
1. INTRODUCTION

At the request of Specma Wiro company, a decomposition test with acetylene was carried out on a HPG - hose PTFE Acetylene (length 1125 mm) (Drwg N°SW1506030) manufactured by Specma Wiro according to the standard EN ISO 14113 (Gas welding equipment - Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar (45 MPa)).

Three samples were received on February 20th 2015.

2. DESCRIPTION OF TESTED EQUIPMENT

Following picture shows a general view of the flexible hose.



Following picture shows one side of the flexible hose.



Following picture shows the other side of the flexible hose.



Drawing and part list are reproduced in appendix 1.

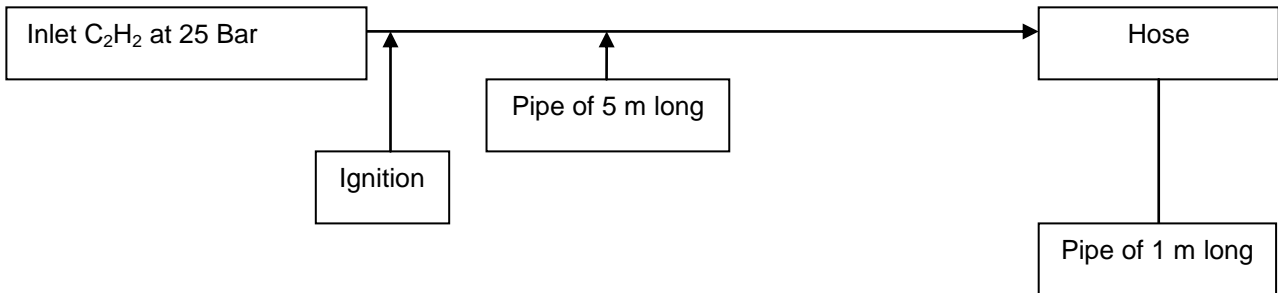
3. TESTS

3.1. DECOMPOSITION TEST

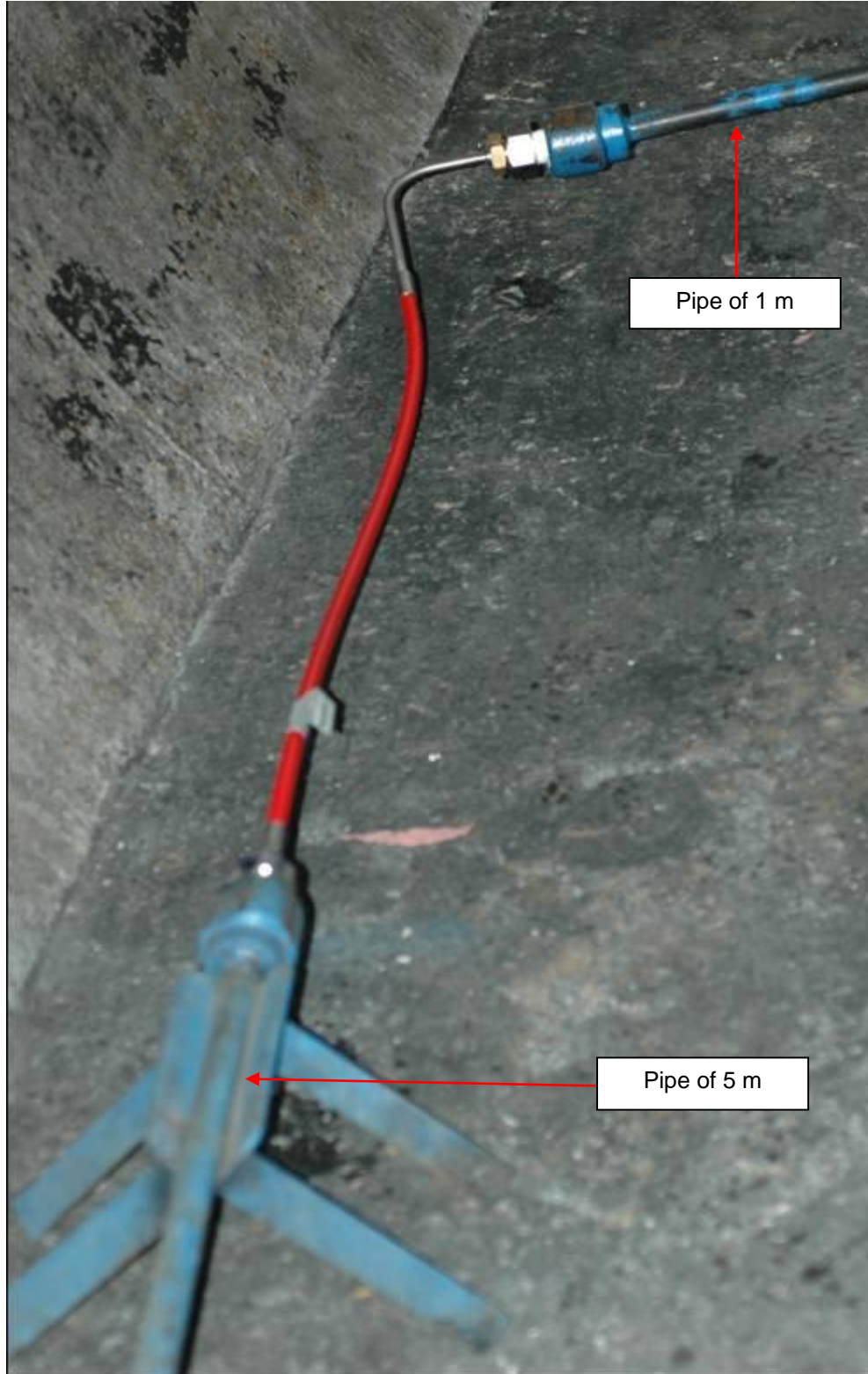
3.1.1. *Description of the test*

Decomposition test with acetylene was carried out according to the standard EN ISO 14113 Annex A.

The purpose was to verify the behavior of the flexible hose in the case of an acetylene decomposition.



Sample in test condition



3.1.2. Results

The flexibles hoses did not burst.
No leak was detected.

4. CONCLUSION

The HPG - hose PTFE Acetylene (length 1125 mm) (Drwg N°SW1506030) manufactured by Specma Wiro resists to a decomposition test with acetylene according to the standard EN ISO 14113.

The Author
P.Varroy

A P P E N D I X 1 : Drawing and part list

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Nr	Ant	Ändring	Datum	Inf.	Godk.

9	1	Nut ISO 228 G1/4" LH	AISI 303	215 101 127
8	1	Bullnose nipple 1/4"	AISI 316	4604-05
7	1	Male nut ISO 228 G3/4"	EN 12168	207 001 059
6	1	Weld nipple 9,0 for 3/4"	AISI 316L	207 001 123
5	1	Socket 1/4" with 10x2	AISI 316L	4601-06
4	1	Spiral	1.4310	SW14444001
3	1	Pipe	AISI 316L	207 001 014-1
2	2	Ferrule	AISI 304	6600-06H-1
1d	1	Gashose 1/4", Red cover	Hyfrel	6306-06HR
1c	1	Gashose 1/4", 2nd braid	AISI 304	6306-06HR
1b	1	Gashose 1/4", 1st braid	Kynar	6306-06HR
1a	1	Gashose 1/4", antistatic tube PTFE+Carbon	DN6	6306-06HR

Specma Wiro Part no: SW1506030 Gas type: Acetylene C ₂ H ₂ Max working pressure: 25 bar (2.5 MPa) Test pressure: 600 bar Min burst pressure: 1654 bar Production date: YYYY-MM-DD Installation date: Batch no: XXXXXX Duration: 5 years after inst. Manufactured by: Specma Wiro AB Lurövsången 6 SE-60 4032004 Sweden Phone +46 (0) 161 520 20	
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Working pressure: 25 bar Test pressure 600 bar nitrogen Plugged at both ends and sealed in plastic bag Manufactured in accordance with SS-EN-ISO 14113:2008
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Def.nr	HC	Ritad	Ant.	Konstr.	HC	Kop.	HC	Benämning	Konfr.	HC	Stand	Godk.	Material	Modul Anna Dimension	Skala	Ersätter	Anm.

HPG-hose PTFE Acetylene 1125mm/Male G3/4"x1/4" LH
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Ersätter: Ersätt av: Filnamn: Dat: 2015-02-07 Ritnr: SW1506030
