



Work Order: 4437260-B.R1  
 First Visit Date: 09-Sep-2020  
 Last Visit Date: 26-Feb-2021  
 Vendor PO Number: 9443009948-9443010777  
 Survey Location: Sant'Atto, TE, Italy

## Equipment Certification Report

**Asset Type** Pipe  
**Customer Name** ALFAGOMMA INDUSTRIAL S.P.A.  
**WCN of Customer** 527012  
**Location** Sant'Atto, TE, Italy

This is to certify that the undersigned Surveyors to this Bureau did at the request of ALFAGOMMA INDUSTRIAL S.P.A., from 09-Sep-2020 to 26-Feb-2021, carry out the following survey and report as follows:

**Client Asset Name** **Quantity**  
 OIL SUCTION & DELIVERY BUILT-IN TYPE HOSE 1

### Name Plate Data

ABS Label	Manufacturer	Purchaser	Destination Vessel
OIL SUCTION & DELIVERY BUILT-IN TYPE HOSE	ALFAGOMMA INDUSTRIAL S.P.A.	-	-

### Basic Identification Data

Serial Number	Owner Tag Number	Supplier Ref. Number
2019	-	-

## Statement of Work - Classification Service - Certification -

- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.

## Report Findings

### Statement/Observation

Finding No	Asset	Survey Task	Date Created
19.0	OIL SUCTION & DELIVERY BUILT-IN TYPE HOSE	Certification - OIL SUCTION & DELIVERY BUILT-IN TYPE HOSE	26-Feb-2021

### Found

Prototype of "OIL SUCTION & DELIVERY BUILT-IN TYPE HOSE" 15 bar (225 psi) for Dock Operation, as per below details:

Manufacturer: Alfagomma Industrial S.p.A., Italy

Hose Type: 60G S15 DIA 300

Dimension: 300 mm x 6 m

1 of 3

NOTE: This Report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item of material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Hose Ref. S. No.: 1919

Maximum Working Pressure: 15 Bar

built according to Manufacturer Specification No. 60GAA300000000, was tested, as far as applicable, in accordance with the requirements of EN 1765: 2016 Type S15 (Smooth Bore Hose Assembly) Specification for a Maximum Working Pressure of 15 Bar

Following Tests were carried:

1. Physical Properties

- a) Lining - Resistance to Liquid C (EN 1765:2016 para. 8.1)
- b) Cover - Resistance to Liquid B (EN 1765:2016 para. 8.1)
- c) Cover - Abrasion Resistance Method A (EN 1765:2016 para. 8.1)
- d) Cover - Resistance to Ozone (EN 1765:2016 para. 8.1)

2. Adhesion Test (EN 1765:2016 para. 8.2)

- a) Dry Sample (EN 1765:2016 para. 8.2)
- b) Wet Sample. (EN 1765:2016 para. 8.2)

3. Dimensional Test (EN 1765:2016 para. 7.1 and 7.2)

4. Hydrostatic and Proof Test (EN 1765:2016 para. 8.2 - Annex E)

5. Vacuum Test (EN 1765:2016 para. 8.2)

6. Bending Test (EN 1765:2016 para. 8.2. Annex F)

7. Electrical Resistance Test (EN 1765:2016 para 8.2)

8. Burst Test (EN 1765 para. 8.2 Annex E - Annex G.2)

Based on satisfactory results of above Tests the Hose was found fully in compliance with EN 1765: 2016.

Manufacturer Test Reports duly signed for witnessing, reference has to be made to them for details.

In addition to the Tests as per EN 1765: 2016, at Specific request of Manufacturer, the Hose was also partially subjected to some Tests in according to the requirements of GMPHOM: 2009 Specification, as detailed below:

1. Nipple Adhesion Test (GMPHOM 2009 para. 3.4.2)

2. Adhesion Test (GMPHOM 2009 para. 3.4.3)

a. Dry Sample

b. Wet Sample.

3. Weight Test (GMPHOM 2009 para.3.4.6 and 1.6.3)

4. Vacuum Test (GMPHOM 2009 para. 2.1.12)

5. Minimum Bend Radius Test (GMPHOM 2009 para. 3.4.11)

6. Bending Stiffness Test (GMPHOM 2009 para. 3.4.12)

7. Electrical Resistance Test (GMPHOM 2009 para. 3.4.16)

Manufacturer Test Reports duly signed for witnessing, reference has to be made to them for details.

**Closing Paragraph:**

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.



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**Attending Surveyor(s):**

Cappiello, Carmine  
Signed-off Date: 29-Jul-2021

**Reviewing Surveyor(s)**

Work Order Reviewer: Beltratti, Diego R.G.  
Work Order Credit Date: 29-Jul-2021