Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.

84 530 - 92 HH

Company

Semperit Technische Produkte Gesellschaft mbH

Triester Bundesstr. 26 2632 Wimpassing, AUSTRIA

Product Description

FLAME RESISTANT HYDRAULIC HOSES

Type

4SP corresponding to EN 856

Environmental Category

None

Technical Data / Range of Application

TECHNICAL DATA

inner tube synth. rubber

Reinforcement

four steel wire braids synth, rubber

Cover Fitting types

swage ferrules, pipe connectors, tapered nipples

and flanges acc. to Semperflex Rivalit GmbH design

Size range [DN]
Pressure range [bar]

DN 10 to DN 51 acc. to EN 853

Temperature range

-40 [°C] to 100 [°C] {depending on media used}

RANGE OF APPLICATION

The a.m. hose type may be used acc. to their suitability in:

· Fuel oil, lubricating oil and hydraulic oil systems

· Bilge and ballast systems

· Fresh and seawater cooling systems

(continued on page 2)

Test Standard

In acc. with Chapter 8, Guidelines for the Performance of Type Tests, Part 6 - Test

Requirements for Mechanical Components and Equipment, Edition 1998.

Documents

• Test report no.: 13/04; 16/04; 42/04, WTD 71 Eckernförde, dated 15.06.2004

Technical Data

Catalogue

Remarks

• The use of hose assemblies is not permitted in permanently pressurized

starting air lines of diesel engines.

Valid until

2012-10-08

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Type Approval Symbol

(GL

File No.

II.D.01

Hamburg, 2007-08-29

Germanischer Lloyd

Günter Hölzer

Peter Gierhan (

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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RANGE OF APPLICATIONS

- Compressed air systems*
- · Secondary piping systems
- * Pin prick cover is required for air or gas applications above 17 [bar].

PRODUCTION PLACES

HOSES: Semperit Technische Produkte Gesellschaft mbH Triester Bundesstraße 26 A-2632 Wimpassing

> Semperflex Optimit a.s. Vitkovska ui. 391 CZ-74235 Odry

FITTINGS: Semperflex Rivalit GmbH Steinhardter Straße 32 A D-55596 Waldböckelheim

REMARKS / LIMITATIONS

- The current Rules of Germanischer Lloyd Chapter 2-Machinery installation, Section 11 are to be observed.
- The use of the hoses outside the range of application is subject to special consideration by Germanischer Lloyd in each individual case.
- The combination of high temperatures and high pressure reduce the hose life.
- The use of hose assemblies is not permitted in permanently pressurized starting air lines of diesel engines.
- Type appoved hoses may be assembled with fittings by recognized manufacturers* of hose assemblies only.
- * See VI Additional Rules and Guidelines, Part 3 Machinery Installations, Chapter 9 Guidelines for the Recognition of Manufacturers of Hose Assemblies and Compensators.

The selection of the hoses for the corresponding application and the proper assembly are to be in accordance with the instructions of the manufacturer.

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