



Germanischer Lloyd

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. 54 567 - 07 HH

Company Ryco Hydraulics Pty. Ltd.
19 Whitehall Street
Footscray, VIC 3011, AUSTRALIA

Product Description High pressure hoses - Flame resistant

Type Avenger H12A, Diehard H12D, Slider H12S, Spiral Hose HSPA

Environmental Category None

Technical Data / TECHNICAL DATA

Range of Application Hose design: Synthetic rubber tube, four steel wire spirals, synthetic rubber cover acc. to EN 856 - R12/4SP, SAE 100R12
Hose Type: H12A H12D H12S HSPA
Size range (DN): 10 to 50 10 to 40 20 to 32 6 to 12
Pressure range (bar): 350 to 210 350 to 255 350 to 275 450 to 420
Ferrules / Nipples: T200, T700 Series Non-Skive, Skive acc. to Ryco catalogue
Temperature range: - 40 [°C] to 100 [°C]

RANGE OF APPLICATION

The above mentioned hose types are type approved for the use in:
Fuel oil-, Lubricating oil-, Hydraulic oil-, Bilge-, Ballast-, Freshwater cooling-,
Sea water cooling-, Compressed air- and Ancillary piping systems.

The selection of the hoses for the corresponding application is to be in accordance with the instructions of the hose manufacturer.

Test Standard Regulations for the Performance of Type Tests, Part 6-Test Requirements for Mechanical Components and Equipment: 1998, EN 856:1996.

Documents - Test reports of product tests according EN 856:1996, Fire test reports according to ISO 15540/15541:1999, Burst test reports on hose assemblies
- Ryco hydraulics catalogue RHY-PRO206AUS

Remarks Refer to page 2

Valid until 2012-11-27

Page 1 of 2

Type Approval Symbol



File No. II.D.01

Hamburg, 2007-11-28

i.v. Hansp. Raschle *ist. Hagen Markus*
Hanspeter Raschle Hagen Markus

Germanischer Lloyd