

Type Approval Certificate Extension

This is to certify that Certificate No. 03/00096 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

RYCO Hydraulics

PLACE OF

19 Whitehall Street, Footscray,

PRODUCTION

Victoria 3011 Australia

DESCRIPTION

Flexible Hoses of Non-Metallic Material with

Permanently Fitted Couplings, Designations:

Avenger T1A, Diehard T1D, Survivor RQP1, Avenger T3KA,

Diehard T3KD

TYPE

SAE 100R1

APPLICATION

For use on ships and offshore installations classed with Lloyd's Register, as short lengths in systems of fresh and seawater, compressed air, water based hydraulics, hydraulic oil, fuel and

lubricating oil.

DESIGN CODE STANDARD Part 5, Chapter 12 of Lloyd's Register's Rules and Regulations for the

Classification of Ships (July, 2008)

Part 5, Chapter 10 of Lloyd's Register's Rules and Regulations for the Classification of Mobile Offshore Units (September 1996 plus Notices

Nos. 1, 2, 3, 4, 5 & 6 as applicable)

Fire Resistant Testing according to ISO 15540/15541

RATINGS

Sizes: DN 5 to DN 51

Maximum Working Pressure: 40 to 250 bar (see below) Service Temperature: -40°C to +150°C (see below) Coupling Material: Carbon Steel AISI/5AE 121.14,

Electroplated Fe/Zn12c acc. to AS1789

Certificate No.

08/10090 (E1)

Issue Date

1 October 2008

Expiry Date

30 September 2013

Sheet

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N. Nagamune Yokohama Design Support Office Lloyd's Register

N. Xa

Lloyd's Register, registered office: 71 Fenchurch Street, London EC3M 4BS

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