

Type Approval Certificate Extension

This is to certify that Certificate No. 03/00097 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 T2A, Diehard T2D, Diehard TXA2D, Slider T2S, Survivor

RQP2, Dinflex DF2A, Avenger T3KA, Diehard T3KD

TYPE

SAE 100R2

APPLICATION

For use on ships and offshore installations classed with Lloyd's Register, as short lengths in systems of fresh and seawater, water based hydraulics, hydraulic oil, pneumatics, fuel and lube 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 6 to DN 63

Maximum Working Pressure: 69 to 420 bar (see below) Service Temperature: -40°C to +150°C (see below) Coupling Material: Carbon Steel AISI/SAE 12L14,

Electroplated Fe/Zn12c acc. to AS1789

Certificate No.

08/10091 (E1)

Issue Date

1 October 2008

Expiry Date

30 September 2013

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N. Nagamune Yokohama Design Support Office Lloyd's Register

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

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