

## 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:

<b>PRODUCER</b>	RYCO Hydraulics
<b>PLACE OF PRODUCTION</b>	19 Whitehall Street, Footscray, Victoria 3011 Australia
<b>DESCRIPTION</b>	Flexible Hoses of Non-Metallic Material with Permanently Fitted Couplings, Designations: Avenger T1A, Diehard T1D, Survivor RQP1, Avenger T3KA, Diehard T3KD
<b>TYPE</b>	SAE 100R1
<b>APPLICATION</b>	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.
<b>DESIGN CODE STANDARD</b>	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
<b>RATINGS</b>	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/SAE 12L14, Electroplated Fe/Zn12c acc. to AS1789
<b>Certificate No.</b>	08/10090 (E1)
<b>Issue Date</b>	1 October 2008
<b>Expiry Date</b>	30 September 2013
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