



Lloyd's  
Register

## Type Approval Certificate Extension

This is to certify that **Certificate No.13/10072(E1)** for the undernoted product(s) has/have been extended and renumbered in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

**PRODUCER** RYCO Hydraulics.

**PLACE OF PRODUCTION** RYCO Hydraulics Pty. Ltd.  
99 Calarco Drive, Derrimut, Victoria, 3026 Australia

RYCO Hydraulics Sdn. Bhd.  
Plot 207, Kuala Ketil Industrial Estate, 09300 Kuala Ketil,  
Kedah Darulaman, Malaysia

RYCO Hydraulics (Dalian) Ltd.  
38 Ying Ri Road, Ying Cheng Zi Industrial Zone, Gan Jing Zi District,  
Dalian 116036 China

**DESCRIPTION** Flexible Hoses of Non-Metallic Material with Permanently Fitted Couplings  
Designations: Survivor RQP5, Trucker T5

**TYPE** Polyester Cover Hose

**APPLICATION** For use on ships and offshore installations classed with Lloyd's Register, as short lengths in systems of hydraulic oil, fuel oil, lubricating oil and compressed air

**STANDARD** Part 5, Chapter 12 of Lloyd's Register's Rules and Regulations for the Classification of Ships (July, 2013)

**Certificate No.** 13/10072 (E2)

**Issue Date** 27 December 2018

**Expiry Date** 26 December 2023

**Sheet** 1 of 3



Chng Teck Wee  
South Asia Technical Support Office  
Lloyd's Register Singapore Pte. Ltd.

*Lloyd's Register Asia*  
2 Science Park Drive, #02-05/06 Ascent, Singapore 118222

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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 46

Maximum Working Pressure: 24 to 210 bar (see below)

Service Temperature: -40°C to +150°C (see below)

Coupling Material: Carbon Steel AISI  
Stainless Steel (Option)

Electroplated Fe/Zn12c acc. to AS1789

#### OTHER CONDITIONS

The hoses may be used for the following working conditions

SURVIVOR RQP5	DN (mm)	Max. Pressure (bar)
RQP54	5	210
RQP55	6	210
RQP56	8	157
RQP58	10	140
RQP510	12	122
RQP512	16	105
RQP516	22	56
RQP520	28	43
RQP524	35	35
RQP532	46	24
Temperature Range: -40°C to +150°C		

TRUCKER T5	DN (mm)	Max. Pressure (bar)
T54	5	210
T55	6	210
T56	8	157
T58	10	140
T510	12	122

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T512	16	105
T516	22	56
T520	28	43
T524	35	35
T532	46	24
Temperature Range: -40°C to +100°C		

Where synthetic rubber hoses are used for oil fuel supply to burners, the hoses are to have external wire braid protection in addition to the integral wire braid.

Carbon steel couplings are to be normalised for temperatures below -10°C.

In all cases the hoses are to be installed in accordance with the manufacturer's instructions and tested to the satisfaction of the attending surveyor.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Singapore Pte. Ltd. of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 13/10072(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous **Certificate No. 13/10072(E1)** to which this extension should be attached.

**Certificate No.** 13/10072 (E2)  
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