



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA22514M

This is to certify that the undernoted products have been approved in accordance with the relevant requirements 12.3.4, Part D of “Rules for the Survey and Construction of Steel Ships” and Chap.2, Part 6 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer :	RYCO Hydraulics (See the attached)
Product description :	Flexible Rubber Hose
Type designations :	T3000D Series
Approval No. :	17FV401B
Valid until :	7 November 2027

This certificate is subject to the conditions specified in the attached sheets.

Issued at Tokyo 26 August 2022.


S. Oishi
General Manager
Machinery Department



• **Manufacturers :**

RYCO Hydraulics Pty. Ltd., Australia

Location :

1. 99 Calarco Drive, Derrimut, Victoria, 3026
2. 47 Tacoma Circuit, Canning Vale, Western Australia, 6155
3. 13B Murrena Street, Wedgefield, Western Australia, 6721
4. 16 Broadwood Street, West Kalgoorlie, Western Australia, 6430
5. Unit 4, 37 Woodstock Street, Newman, Western Australia, 6753
6. 14 Ironbark Close, Warabrook, New South Wales, 2304
7. 42 Main Street, Wallerawang, New South Wales, 2845
8. 97 Northlink Place, Northgate, Queensland, 4013
9. 6 jarrah Street, Blackwater, Queensland, 4717
10. Unit 1/12 Coolawanyah Road, Karratha, Western Australia, 6714

RYCO Hydraulics Inc., USA

Location :

1. 1616 Greens Road, Houston, Texas, 77032
2. 258 Ragland Road, Beckley, West Virginia, 25801
3. 1007 West 10th Street, Pella, Iowa, 50219
4. 421 North 24th Street, Billings, Montana, 59101

RYCO Hydraulics Ltd., New Zealand

Location :

4 Autumn Place, Penrose, Auckland, 1061

RYCO Hydraulics (Dalian) Ltd.

Location :

No.38 Yingri Road, Ying Cheng Zi Industrial Zone, Gan Jing District, Dalian City,
Liaoning Province, 116036, China

RYCO Hydraulics Sdn. Bhd., Malaysia

Location :

Plot 207, Kuala Ketil Industrial Estate, Kuala Ketil, Kedah, 09300, Malaysia

• **Particulars and conditions :**

Model	T3004D	T3005D	T3006D	T3008D	T3010D	T3012D	T3016D
Nominal diameter (DN)	6	8	10	12	16	19	25
Working Pressure (bar)	245	245	215	215	215	215	215
Design temperature (°C)	-40 to +100°C						
Kind of fluid	Fuel Oil, Lubricating Oil, Hydraulic Oil, Sea Water, Fresh Water, Compressed Air						

• **Type approval tests carried out :**

Pressure test, Burst test, Hydraulic impulse test and Fire resistance test

• **Documents :**

DWG. No.: T3000 HOSE SPECIFICATION

Test report No.: 4376-030, 4375-030, RH-FT-114, RH-FT-99, RH-FT-100, 5185

• **Production Test :**

The hoses used for piping belonging to Group I & II defined by the requirements 12.1.3, Chap.12, Part D of the Rules are to be subjected to hydraulic test in the presence of the Society's surveyor in accordance with the requirements 12.6.1, Chapt.12, Part D of the Rules.

• **Notice :**

Any significant changes in design or construction of the above items may render this certificate invalid.

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