Certificate No: LR26267394TA
Issue Date: 01/09/2026
Expiry Date: 31/08/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Tubi Thor SpA**
Address	Via Caduti per la Patria 83, Lesmo, 20855, Italy
Place of Production	Thor Sud S.p.A. Via Marisa Bellisario, 54, San Salvo (CH), 66050, Italy
Place of Production	Tubi Thor SpA Via Caduti per la Patria 83, Lesmo, 20855, Italy
Type	Flexible Hoses
Description	Fire resistant fuel hoses for small craft. Type 1 with a permeation rate greater than 15 g/m^2 per 24 h but less than 100 g/m^2 per 24 h
Trade Name	CARBOPOMP/M I5T, CARBOPOMP/M I5C, CARBOPOMP/M I5N
Application	Fuel hose for small crafts of hull length up to 24 m
Specified Standard	ISO 7840:2021 (Small craft – Fire-resistant fuel hoses) SAE J 1527: 2022 (Marine Fuel Hoses)

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Mandar Ojale

Engineering Piping - Specialist to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Ratings	Design pressure (bar):	2,5
	Temperature range (°C):	-20 to +80
	CARBOPOMP M I5T Internal diameter (mm):	6 to 63
	CARBOPOMP M I5C Internal diameter (mm):	25 to 60
	CARBOPOMP M I5N Internal diameter (mm):	16 to 60

Other Conditions

1. Prototype pressure tests are to be carried out on each new type of hose and end fitting. The bursting pressure is to be not less than four times the maximum pressure in service.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21359210TA

The Design Appraisal Document LR26267394TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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