



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 00/00123(E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Manuli Hydraulics Manufacturing Sp. z o.o. ul. Przedsiębiorców 5 97-500 Radomsko Poland	
PLACES OF PRODUCTION	Manuli Hydraulics Manufacturing Sp. z o.o. ul. Przedsiębiorców 5 97-500 Radomsko Poland	Manuli Hydraulics (Suzhou) Co., Ltd. 85 Xinglin Street Suzhou Industrial Park 215027 Jiangsu Province People's Republic of China
	Manuli Hydraulics Manufacturing Bel Lokomotivnaya street 2 211390 Orsha Vitebsk Region Republic of Belarus	
DESCRIPTION	Flexible hose of non-metallic material with permanently fitted couplings	
TYPE	LYTEFLEX	
APPLICATION	Flexible hose for medium pressure hydraulic systems using biological and mineral oils, glycols and aqueous emulsion oils	
Certificate No.	00/00123(E5)	
Issue Date	27 November 2015	
Expiry Date	9 October 2020	
Sheet	1 of 2	



P.A. Stanney
Marine Technology & Engineering Services, Southampton
Lloyd's Register EMEA

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SPECIFIED STANDARDS Lloyd's Register's Rules and Regulations for the Classification of Ships; Manuli Design; For DN 16 and DN 19 SAE 100 R17; ISO 11237 R17 Manuli Hydraulics Hose Data Sheet.

RATINGS Nominal diameter (DN) : 6 to 25 mm
Working pressure (bar) 350 to 140 bar


- OTHER CONDITIONS**
1. Not all types and size of hose are approved for manufacture in all 4 manufacturing plants. For details of hoses approved for manufacture in individual plants see Design Appraisal Document 00/00123(E4)
 2. For use on ships Classed, or intended to be Classed by Lloyd's Register, the hoses must also:
 - 2.1 Have their locations shown on plans, which must be submitted for approval.
 - 2.2 Be installed 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 EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 00/00123(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 00/00123(E4) to which this extension should be attached.

Certificate No. 00/00123(E5)
Issue Date 27 November 2015
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Sheet 2 of 2



MTES Southampton Office

F. Stanney

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LR031.1.2013.12

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