

Type Approval Certificate Extension

This is to certify that Certificate No. 90/00161(E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Halyard (M & I) Ltd		
PLACE OF PRODUCTION	6 & 7 Westfield Industrial Estate Horndean Hants, PO8 9JX United Kingdom (UK)		
DESCRIPTION	Marine Diesel Exhaust Hose		
TYPE	Atlantis		
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Special Service Craft; Halyard Product Specifications nos 1, 2, 12 & 164.		
APPLICATION	Water cooled diesel exhaust systems and low pressure cooling systems installed in special service craft		
RATINGS	Nominal Bore (mm):	25 to 508	
	Max. Working Press. (bar):	1.66	
	Burst Pressure (bar):	5	
	Temperature (°C):	Standard Nitrile	-20 to 100
		Polyacrylic Nitrile	-20 to 140

Certificate No.	90/00161(E5)
Issue Date	20 June 2011
Expiry Date	23 August 2015
Sheet	1 of 2



P. F. Moysey
London Design Support Office
Lloyd's Register EMEA

*Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS*



"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. 90/00161(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 90/00161(E4) to which this extension should be attached.

Certificate No.	90/00161(E5)
Issue Date	20 June 2011
Expiry Date	23 August 2015
Sheet	2 of 2

P. F. Moysey
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