



# Marine Design Appraisal Document

**Lloyd's Register EMEA**  
**Lloyd's Register Global Technology Centre**  
**Southampton Boldrewood Innovation Campus**  
**Burgess Road**  
**Southampton**  
**SO16 7QF**

Date  
**12 January 2016**

Please quote the document number on all future communications

## ROYAL HUISMAN NOS. 398 & 399 Multiple Pump Drive

*This Design Appraisal Document cancels and supersedes Document No. ENG 22546603, Issue No. 0, dated 24<sup>th</sup> September 2015.*

1. The Document(s) listed in paragraph 1 of the appendix have been examined for compliance with the applicable sections of Lloyd's Register's Rules and Regulations for the Classification of Special Service Craft (2014), and are assigned an appraisal status as indicated, in accordance with the following conditions:-

### 2. Machinery

Multiple Pump Drive Type	MPD22
Manufacturer	Transfluid
Rating	720kW at 2250rpm

### 3. Details

	OD, mm	ID, mm	Material	Min UTS N/mm <sup>2</sup>
Pump Shaft	80	-	39NiCrMo3	880
Splined Hub	125	81	40CrMo4	740

### 4. Conditions of Approval

4.1 None

### 5. General Comments

5.1 None

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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## Appendix

1. The documents listed below have been examined

Document No.	Rev.	Title	Status	Date
<b>DB100421</b>	<b>5</b>	<b>Sectional Arrangement</b>	<b>SI</b>	<b>24 Sep 2015</b>
<b>SA105412B</b>	<b>2</b>	<b>Dummy Flywheel 18"</b>	<b>A</b>	<b>24 Sep 2015</b>
<b>SA106478</b>	<b>1</b>	<b>Flanged Shaft</b>	<b>A</b>	<b>24 Sep 2015</b>
<b>SA105560</b>	<b>3</b>	<b>Splined Hub for AC8 F2</b>	<b>A</b>	<b>12 Jan 2016</b>

### Appraisal Status Key

- A Approved - provided the arrangements are to the surveyor's satisfaction
- SI Retained as supporting documentation for information only

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