



Marine Design Appraisal Document

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

Date
06 April 2011

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LDSO/ENG/KK/WP 5153147

ROYAL HUISMAN
Yard No. 390
Job Order No. E O 53461
Multiple Pump Drive

1. Plans as listed in 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 (2010), and are assigned an appraisal status as indicated, in accordance with the following conditions:-

2. Machinery

| | |
|--------------------------|------------------|
| Multiple Pump Drive Type | MPD18 |
| Manufacturer | Transfluid |
| Rating | 331kW at 1800rpm |

3. Details

| | Diameter mm OD | Material | Min UTS, N/mm ² |
|------------|----------------------|-----------|-------------------------------|
| Pump Shaft | 70 | 39NiCrMo3 | 880 |

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

| Drawing Number | Revision | Title | Appraisal Status |
|----------------|----------|---|------------------|
| DB101222 | 0 | Sectional General Arrangement | SI |
| SA106438 | 1 | Dummy Flywheel 18" | A |
| SA106477 | 0 | Flanged Shaft | A |
| SA105458 | 3 | Mozzo Dentato (Splined Hub) for AC6.1 L3=65 | A |

2. Documents not mentioned above are not required for appraisal or as supporting documentation and have not been retained.

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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