Final Design Deliverable

Project ID

NTH2406215

Client

Lagersmit Sealing Solutions BV.

Asset

Expansion seal

Service

Component Approval

Client contact

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LR Disciplines

Machinery

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MACHINERY GENEARAL DESIGN APPRAISAL.
Supreme BHW - Bulk Head Seal Watertight.
Lagersmit Sealing Solutions BV.
Valid Until 13 Nov 2029.

The documents have been examined for compliance with the Code for Rules and Regulations for the Classification of Ship, July 2024 and are assigned an appraisal status as indicated, in accordance with the following conditions.

This Final Design Deliverable was generated from the Digital Workbench on 13 November 2024 14:56 UTC.

Nomaan Akhter

Lloyd's Register Marine and Offshore India LLP

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Documents

Number	Name	Revision	Status	Status Update
2	TA-SUP-X70	A	Approved	13 Nov 2024 14:51
1	Datasheet SUPREME Bulkhead Seal	A	Information Only	13 Nov 2024 14:51
3	04-70-020e Supreme BHW Operating Range	A	Information Only	13 Nov 2024 14:52
4	BHW Installation and Maintenance Manual	A	Information Only	13 Nov 2024 14:53
5	Installed Base BHW	A	Information Only	13 Nov 2024 14:54
6	ABS - PDA SUPREME BHW	A	Information Only	13 Nov 2024 14:52
7	DNV - TA - SUPREME BHW	A	Information Only	13 Nov 2024 14:53

Document Comments

ID	Number	Name	Revision	LR Discipline	Status
001 INFO	2	TA-SUP-X70	A	Machinery	Client Response

Key Design Details:-

Designation Radial: split, water-tight bulkhead seal

Size: Shaft diameters 110-330. >330 on request

Speed: Max. 16 [m/s]

Pressure: Static water pressure max. 2 [bar]

Shaft movement Axial: ± 30[mm]

Radial: ± 4 [mm]

Squareness: Squareness bulkhead in relation to shaft max. 0,5 [mm]

Roughness: Shaft roughness @ location of the lip seals to be max. 0,8 [µm] Ra