Certificate No.: 2207202225483938

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

Filters and Purifiers

Manufacturer	HYDAC Filtertechnik GmbH
Address	D-66280 Sulzbach / Saar - Germany
Product Type	HDPD / HDMD 1800 UC, HDPD / HDMD 2200 UC
Particulars / Designation	Marine Fuel Filters
Application	Products approved by this certificate are accepted for installation on all vessels classed by TL.
Reference Rule	TL Rules, Part A, Chapter 2, Material , 01.01.2021 TL Rules, Part B, Chapter 4, Machinery, 01.01.2021 TL Rules, Part E, Chapter 103 - Metallic Materials, Special Materials for Naval Ships, 01.01.2022 TL Rules, Part E, Chapter 107 - Naval Ship Technology, Ship Operation Installations and Auxiliary System, 01.01.2022
Place and Date	Istanbul / 03.08.2022

Subject to the conditions referred to in the following pages, this certificate is valid until 19.07.2027.

Emrah SÖĞÜTÇÜ for

New Building Division Manager

128213

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and revelant international instruments that apply to it.

Product Details:

Design pressure: 18,5 bar & Design temperature: -20°C to + 70 °C

Application / Limitation (Approval Conditions) :

- The selection of the filters for the corresponding application and proper installation and maintenance are to be in accordance with the instructions of HYDAC Filtertechnik.
- HYDAC HDPD and HDMD filter types are not suitable for liquefied gases.
- The relevant filters are to be used in class II and class III piping systems.

Plan Approval Remarks:

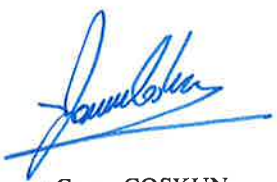
Documentation:

PAE-EPAS/012693/22-0769/VA dated 18.05.2022

Performed Tests: Following tests were carried out with satisfactory results.

Visual Inspection, Functional test, Pressure test, Tightness test, Burst pressure test

Product	: Fuel Filters
Type of Product	: HDPD / HDMD 1800 UC, HDPD / HDMD 2200 UC
Product Description	: Design pressure: 18,5 bar Design temperature: -20°C to + 70 °C Filter volume flow rate: up to 6000 l/hr Filter volumes: HDPD / HDMD 1800 UC: 2 x 5,3 Liter HDPD / HDMD 2200 UC: 2 x 5,9 Liter Materials filter casing: Ductile cast iron, EN-GJS-400-18LT acc. DIN EN 1563 Inlet-/Outlet connections: M 33 x 2 acc. to ISO 6149-1
Approval No / Date	: PAE-EPAS/012693/22-0769/VA
Approval Date	: 18.05.2022
Test Place	: D-66280 Sulzbach / Saar - Germany
Last Inspection Date	: 19.07.2022



Surveyor Name : Caner COŞKUN

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