

TYPE APPROVAL CERTIFICATE

Certificate No:
TAP000010X
Revision No:
3

This is to certify:

That the Flexible Hoses for CO2 Systems

with type designation(s)
050(X)

Issued to

Transfer Oil S.p.A.
Colorno PR, Italy

is found to comply with

DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV-OS-D101 – Marine and machinery systems and equipment, Edition July 2021
DNV class programme DNV-CP-0183 – Type approval – Flexible non-metallic hoses

Application :

Product approved by this certificate is accepted for installation on vessels classed by DNV.

Temperature range: -60°C up to +90°C
Max. working press.: 140bar up to 300bar (see page 3)
Sizes: DN 5, 6, 8, 10, 12 and 16

Issued at **Høvik** on **2023-02-13**

This Certificate is valid until **2027-07-31**.

DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Sarah Miller**



for **DNV**
van der Merwe,
Bosman
Høvik
2023.02.13 22:30:41
+01'00'

Bosman van der Merwe
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

