



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-13129
This Certificate consists of 5 pages

This is to certify that the
**Flexible Hoses of Non-Metallic Material with Permanently
Fitted Couplings**
with type designation(s)
H12D, H12A, H12S, H15D, HSPA, HSHA

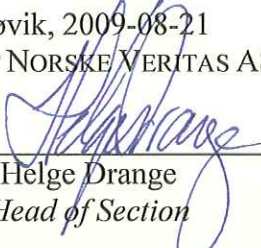
Manufactured by
RYCO Hydraulics Pty. Ltd.
Footscray, Victoria, Australia

is found to comply with
Det Norske Veritas' Rules for Classification of Ships
Det Norske Veritas' Standards for Certification 2.9 No. 5-791.70

Application
May be used for hydraulic, fuel oil, lubricating oil, compressed air, fresh water, sea water
and compressed air systems.

Temperature range:	-40°C to +121°C
Max. working press.:	175 to 450 bar size and type dependent
Sizes:	DN 6 - 50

Place and date
Høvik, 2009-08-21
for DET NORSKE VERITAS AS


Helge Drange
Head of Section



Local Office
DNV Melbourne

This Certificate is valid until
2012-12-31


Carl Ulrik Simonsen
Surveyor

Notice: 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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision 'Det Norske Veritas' shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.