



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-13131  
This Certificate consists of 6 pages

*This is to certify that the*  
**Flexible Hoses of Non-Metallic Material with Permanently  
Fitted Couplings**  
*with type designation(s)*  
**AVENGER T1A/T3KA, SURVIVOR RQP1, DIEHARD  
T1D/T3KD**

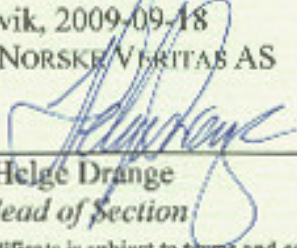
*Manufactured by*  
**RYCO Hydraulics Pty. Ltd.**  
Footscray, Victoria, Australia

*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: Water based hydraulics, pneumatic systems (see cert.), fresh water,  
sanitary, hydraulic oil, fuel oil and lube oil systems.

Temperature range:	-40°C to 150°C (see cert.)
Max. working press.:	65 bar to 225 bar (dep. on size and type, see cert.)
Sizes:	DN6 - DN50, 1/4" - 2" (see cert.)

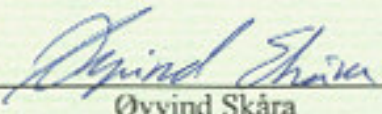
*Place and date*  
Høvik, 2009-09-18  
for DET NORSKE VERITAS AS

  
Helge Drange  
Head of Section



*Local Office*  
DNV Melbourne

*This Certificate is valid until*  
2013-12-31

  
Øyvind Skåra  
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 each person for so proved direct loss or damage. However, the compensation shall not exceed an amount equal to the limit of the liability 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, divisions, offices, employees, agents and any other acting on behalf of Det Norske Veritas.