

# APPROVAL CERTIFICATE

This is to certify, that the undernoted company has been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate No. **13 681 - 14 HH**

Company **P.H.U. "WIKO"**  
**Halina Kowalska**  
**ul. Parkowa 3 Jankowo k. Gdanska**  
**80-180 Gdansk, POLAND**

Description **Manufacturer of Non-Metallic Hose Assemblies**

Type/Equipment/System **Hydraulic Rubber Hose Assembly**

Technical Data/ Application	Type of Hose:	Nominal Size: DN [mm]	M.A.W.P. [bar]	Type Approval:
	<b>GH506</b>	<b>19 - 51</b>	<b>420 - 250</b>	<b>9441579HH</b>
	<b>2755</b>	<b>10 - 25</b>	<b>490 - 320</b>	<b>9441679HH</b>
	<b>SH681</b>	<b>6 - 25</b>	<b>225 - 88</b>	<b>1238198HH</b>
	<b>GH663</b>	<b>5 - 51</b>	<b>250 - 40</b>	<b>4134688HH</b>
	<b>GH781</b>	<b>6 - 51</b>	<b>400 - 90</b>	<b>1221198HH</b>
	<b>GH194</b>	<b>6 - 31</b>	<b>225 - 60</b>	<b>4091701HH</b>
	<b>2781</b>	<b>6 - 51</b>	<b>400 - 90</b>	<b>9441779HH</b>
	<b>GH793</b>	<b>6 - 51</b>	<b>400 - 90</b>	<b>9656588HH</b>
	<b>FC510</b>	<b>6 - 31</b>	<b>345 - 112</b>	<b>1878311HH</b>
	<b>2681</b>	<b>5 - 51</b>	<b>250 - 40</b>	<b>9441879HH</b>
	<b>GH195</b>	<b>6 - 51</b>	<b>400 - 100</b>	<b>02-HS215533-5-PDA</b>

Hoses manufactured by EATON Germany GmbH,  
 Fittings, Sleeves to be used by Eaton Aeroquip and PH-Industrie Hydraulik.  
 The Hose Assemblies as specified above are approved for application in pipe  
 class I - III under consideration of GL-Rules I-1-2, Section 11.

Approval Standard **VI-3-9: Guidelines for the Recognition of Manufacturers of Hose Assemblies and Compensators, Edition 1998**

Documents **Procedure: Certification of GL-Products P-7.5-02**  
**Follow up-Audit ; Report No.: 1 dated 29-11-2013**  
**ISO 9001:2008-Certificate QMS-689 GL**  
**Engineering Standard EATON, AGN6000 2681**  
**Organisation Chart**

Remarks **Each hose assembly is to be subjected to a hydraulic pressure test of 1.5 times M.A.W.P. in the presence of a DNV-GL-Surveyor.**

Valid until **2019-12-03**

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File No. **XIII.G.01**

Hamburg, **2014-12-04**

  
 Olaf Drews

  
 Christian Kaemmer