



# Type Approval Certificate

## Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **9443310 HH**

Company **Pix Transmissions Ltd.  
J-7, M.I.D.C., Hingna Road  
Nagpur, INDIA**

Product Description **FLAME RESISTANT HYDRAULIC HOSES**

Type **1SC / 2SC acc. to EN 857**

Environmental Category **None**

Technical Data /  
Range of Application **TECHNICAL DATA**

Liner / Cover: **Synthetic rubber**  
 Reinforcement: **Steel wire braids**  
 Size range: **DN 6**  
 Pressure range: **225bar / 400 bar (1SC/2SC)**  
 Temperature range:  
 Hydraulic fluids **- 40 [°C] to 100 [°C]**  
 Air **up to 70 [°C]**  
 Water-glycol, -oil emulsion **up to 85 [°C]**

**RANGE OF APPLICATION**  
Refer to page 2

Test Standard **VI-7-8 Regulations for the Performance of Type Tests, Part 7 - Guidelines for the Performance of Type Approvals: 2008**

Documents **- Test reports of product tests acc. to hose standard  
- Fire resistance test report no.: 19/07 and 20/07, dated 31.08.2007  
- Technical data sheets and drawings**

Remarks **Refer to page 2**

Valid until **2015-08-07**

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Type Approval Symbol



File No. **II.D.01**

**Hamburg, 2010-08-05**

### Germanischer Lloyd

Hanspeter Raschle

Hagen Markus

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



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### RANGE OF APPLICATION

- Fuel oil, lubricating oil and hydraulic oil systems
- Bilge and ballast systems
- Compressed air systems (pin prick cover is required for air or gas applications above 17 [bar])
- Auxiliary piping systems

The selection of the hoses is to be in accordance with the instructions of the manufacturer.

### REMARKS / LIMITATIONS

- The current Rules of Germanischer Lloyd Chapter 2-Machinery Installation, Section 11 are to be observed.
- The use of the hoses outside of the range of application specified above is subject to special consideration by Germanischer Lloyd in each individual case.
- The combination of high temperatures and high pressure reduce the hose life.
- The use of hose assemblies is not permitted in permanently pressurized starting air lines of diesel engines.
- Type approved hoses are to be assembled with fittings by recognized hose assembly manufacturers\*.

\* See VI - Additional Rules and Guidelines, Part 3 - Machinery Installations, Chapter 9 - Guidelines for the Recognition of Manufacturers of Hose Assemblies and Compensators.

### PRODUCTION PLACES

Hoses and end fittings:  
Pix Transmissions Ltd.  
Nagpur  
India

### MARKING

Hoses:  
Hose brand name - Hose Type - Inside Diameter of hose in Inches - Manufacturing date  
PIX X'el - 1SC DN06 - (1/4") - Q1'01

Hose end fittings:  
Manufacturer - Product code - nominal size in mm and inch  
PIX - PF22 - 13 1/2"

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