



ETL SEMKO



1. **TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**

3. Type Examination Certificate Number: **ITS04ATEX13313**

4. Equipment or Protective System: **HD RANGE OF PUMPS**

5. Manufacturer: **TUTHILL PUMP GROUP**

6. Address: **Alsip, Illinois USA 60803**

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive 94/9/EC of 23 March 1994

The examination and test results are recorded in confidential Report Number: Intertek Report Ref 04012940 dated January 2005

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 13463-1: 2001 and EN13463-5: 2003 except in respect of those requirements referred to at item 18 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment or protective system. Further requirements of this Directive apply to the manufacture and supply of this equipment or protection system.

12. The marking of the equipment or protective system shall include the following:-



II 2 G, c Temperature limit based on liquid temperature

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A T Austin
Head of Department
13 January 2005

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13. Schedule

14. TYPE EXAMINATION CERTIFICATE NUMBER ITS04ATEX13313

15. DESCRIPTION OF EQUIPMENT OR PROTECTIVE SYSTEM

The HD range of Pumps is a positive displacement type utilising externally timed impellers. Pumping action is based on a rotor. The pump material is stainless steel or ductile iron. The pump is intended to be liquid filled but does have self-priming properties. The pump is provided with an input shaft to allow connection to a drive motor.

The explosion protection of the drive motor and the coupling, where used, is outside the scope of this Certificate.

Two ranges are available – Standard duty and Industrial duty. Sizes available are 5A, 10, 16, 25A, 65 and 125A for Standard duty and 30A, 2A, 3A, 70A, 120A, 330 and 600 for Industrial duty.

The temperature classification will be dependent on the temperature of the pumped liquid. Temperature limits are indicated in Service Manual 72 for the Standard duty pumps or Service Manual 71 for the Industrial duty pumps.

16. REPORT NUMBER

Intertek Report Ref 04012940 dated January 2005

17. SPECIAL CONDITIONS FOR SAFE USE

None

ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSR'S)

The relevant EHSR's that have not been addressed by the standards listed in this certificate have been identified and assessed in Intertek Report Ref 04012940 dated January 2005

18. DRAWINGS

Number	Rev	Date	Description
04030410T	2	3.4.92	Pump Assembly (Model 16)
03010900	3	1.22.93	Pump Assembly (Model 120A)

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