



1. **TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **Type Examination Certificate Number:** ITS04ATEX11797 issue 2

4. **Equipment or Protective System:** Lubetech Range of Pumps

5. **Manufacturer:** Tuthill Pump Group

6. **Address:** Ilkeston, Derbyshire, DE1 8YA

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 Intertek Report Ref 03012644 Issue 1, dated April 2004

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards En 13463-1:2001 and EN 13463-5:2003 except in respect of those requirements referred to at item 16 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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

 II 2 G c



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**Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.**

**A T Austin**  
Certification Officer  
29<sup>th</sup> October 2014

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE NUMBER ITS03ATEX11797 issue 2

#### 13. Description of Equipment or Protective System

The Lubetech range of Pumps comprising the following pump types:

1008 and 1010 series

1012, 1014, 1015 and 1017 series

1018, 1020, 1022 and 1024 series

GR20 Gerotor

L Series

C Series

Each of the 1000 Series, the L Series and the C Series is a positive displacement type utilising internal gears. Pumping action is based on a rotor, idler gear and a crescent shaped partition cast integral with the cover. The pump material is stainless steel or cast iron.

The GR20 is a positive displacement type utilising a conjugately-generated tooth profiled gear and rotor.

The pumps are intended to be liquid filled but do have self-priming properties.

Each 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.

The temperature classification will be dependent on the temperature of the pumped liquid.

Temperature limits are indicated in the relevant Installation and Service Instructions.

#### 14. Report Number

Intertek Report Ref: 03012644 Issue 1, dated April 2004

#### 15. Conditions of Certification

(a). Special Conditions for safe use

None

(b). Conditions of Manufacture

None

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**16. Essential Health and Safety Requirements (EHSR's)**

The relevant EHSR's have been identified and assessed in Intertek Report Ref: 03012644 Issue 1, dated April 2004

**17. Drawings and Documents**

Title	Drawing No.:	Rev. Level:	Date:
ATEX Label	A1409UK	-	04.03.04
<b>1008 and 1010 series</b>			
Installation and Service Instructions	-	-	-
Body m/c	1010-026 Sh 1	5	21.4.00
Flange Mounting Details	1010-026 Sh 2	5	21.4.00
Idler Assembly	23097-B*	-	9.29.00
Housing Plug	25194-B*	-	3.29.00
Ball Sleeve	A1018UK	1	15.08.01
Seal ring	A1039UK	3	24.04.02
Spring cup	A1041UK	2	13.11.02
Carbon insert	A1042UK	2	29.3.00
Washer	A1172UK	1	11.12.97
Carbon seal holder	A1195UK	3	30.9.97
Spring- mech seal	A1381UK	-	16.10.1
Rotor	22119-C*	1	12.7.98
<b>1012, 1014, 1015 and 1017 series</b>			
Installation and service instructions	-	-	-
Body m/c	1017-036 Sh 1	-	8.12.00
Body m/c	0117-036 Sh 2	-	8.12.00
Bearing/seal housing	1015-012	3	21.5.99
Valve spring	18082-B*	3	7.25.96
Valve assembly	19439-A*	4	11.10.98
Cover sub-assembly	23673-C*	4	4.10.01
Idler sub-assembly	24425-A*	-	11.30.01
Abutment collar	A1003UK	3	26.1.99
Rotor	A21615UK	-	21.12.98
<b>1018, 1020, 1022 and 1024 series</b>			
Installation and service instructions	-	-	-
General assembly	1018-100 Shts 1 & 2	-	24.11.97
Rotor (1018)	A21715UK	2	18.6.99
Bracket assembly	1018-015	7	28.07.04
Bearing cap	B1324UK	3	15.5.98

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Idler sub-assembly	24425-A	-	11.30.01
Bracket assembly	1018-015	7	28.07.04
Body m/c	1018-021	2	21.7.98
General assembly	1020-100 Shts 1 & 2	-	25.11.97
Bearing cap	B1326UK	2	11.12.97
Rotor (1020)	A21782UK	-	18.6.97
Body m/c	1020-006	1	12.1.99
Bracket	1020-005	2	12.09.01
Cover	24762-C	-	1.3.02
Idler sub-assembly	24426-B	-	11.30.01
General assembly	1022-100 Shts 1 & 2	-	25.11.97
Idler Gear assembly	24427-B	-	11.30.01
Bearing cap	B1326UK	2	11.12.97
Rotor (1022)	A21850UK	1	01.03.02
Body m/c	1022-011	1	12.1.99
Bracket	1022-003	4	12.09.01
Cover sub-assembly	23674-D	5	10.10.03
Idler assembly	23033-C	1	08.03.01
Abutment collar	A1003UK	3	26.1.99
Cover assembly	B1538UK	-	28.7.99
Bearing cap	B1326UK	2	11.12.97
Rotor head	26508-C	2	9.27.04
General assembly	1024-100 Shts 1 & 2	-	1.10.98
Rotor (1024)	1024-010 Shts 1 of 2	-	1.9.99
Bracket	1024-009	4	28.02.02
Body – machine drawing	1024-002	1	4.3.99
<b>GR20 Gerotor</b>			
Installation and service instructions	-	-	-
GR20 (body)	B1646UK	-	14.05.01
GR20 (cap)	B1509UK	2	12.08.02
GR20 (shaft)	B1513UK	2	10.10.02
Gerator assembly	04180-Z-0104**	A	03.12.01
<b>L Series</b>			
Installation and service instructions	-	-	-
<b>C Series</b>			
Installation and service instructions	-	-	-

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\* Drawing supplied by Tuthill Pump Group, Alsip, Illinois

\*\* Drawing supplied by Nichols Portland

Issue 2 is to update prEN 13463-5:2003 to EN 13463-5:2003 and to include the protection concept 'c' (Constructional Safety) in the ATEX coding.

*This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.*

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