

CERTIFICATE

(1) Type Examination

(2) Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) Type Examination Certificate Number: **DEKRA 17ATEX0012 X** Issue Number: **3**

(4) Product: **Automatic Single Point Lubricators (Pulsarlube EXP/EXPL, Lubri-Cup EM-XP/EM-XPL, Technolube TL-EXPL, Streamliner EXPL, G-LUBE EX)**

(5) Manufacturer: **KLT Co., Ltd.**

(6) Address: **34-12, Bangchon-ro 995beon-gil, Tanhyeon-myeon, Paju-si, Gyeonggi-do 10857, Republic of Korea**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 510013700, Issue 3.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



II 3 G Ex ic IIC T5/T4 Gc
II 3 G Ex ic IIB T4 Gc

(Pulsarlube EXP, Lubri-Cup EM-XP)
(Pulsarlube EXPL, Lubri-Cup EM-XPL,
Technolube TL-EXPL, Streamliner EXPL,
G-LUBE EX)

Date of certification: **3 August 2022**

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 17ATEX0012 X**

Issue No. 3

(15) **Description**

Pulsarlube EXP/EXPL, Lubri-Cup EM-XP/EM-XPL, Technolube TL-EXPL, Streamliner EXPL and G-LUBE EX are automatic grease single point lubricators for extending the life of the bearing in the manufacturing process. The equipment contains a grease pouch, a vertical feed pump, a reduction gear with DC motor, a LCD with key pad, PCBs with microprocessor and a replaceable battery pack. Alkaline and lithium battery pack are applicable and each pack contains three non-rechargeable batteries.

Pulsarlube EXP/EXPL, Lubri-Cup EM-XPEM-XPL, Technolube TL-EXPL, Streamliner EXPL and G-LUBE EX provides the options for selecting different pre-set dispensing rates from 1 to 24 months and LCD screen provides necessary information for setup and status. The batteries used inside the battery pack are as shown in table 1 and not intended to be replaced by the user.

Thermal data

The relation between the maximum ambient temperature, applied battery pack type and temperature class is as per table 1 shown below.

Table 1.

Temperature class	T5 (Pulsarlube EXP) T4 (Pulsarlube EXPL, Lubri-Cup EM-XP/EM-XPL, Technolube TL-EXPL, Streamliner EXPL, G-LUBE EX)	T4
Ambient temperature range	-40 °C to +50 °C	-18 °C to +54 °C
Applied battery pack type - Manufacturer / type	AA Lithium battery pack type FR6 - Energizer / L91	AA Alkaline battery pack type LR6 - Energizer / E91 - Duracell / MN1500

Electrical data

Power supply: 4,5 Vdc (3 AA size batteries as shown in table 1)

Product Name

Pulsarlube EXP, Lubri-Cup EM-XP
Pulsarlube EXPL, Lubri-Cup EM-XPL,
Technolube TL-EXPL, Streamliner EXPL, G-LUBE EX

Type Code

EXPaaa/EM-XPaaa
EXPLaaa/ EM-XPLaaa/
TL-XPLaaa/Streamliner EXPLaaa

aaa = Grease Capacity:

EXP60 / EXPL60, EM-XPL60, TL-EXPL60, Streamliner EXPL60	: 60 cc
EXP120 / EXPL120, EM-XPL120, TL-EXPL120, Streamliner EXPL120, G-LUBE EX	: 120 cc
EXP240 / EXPL240, EM-XPL240, TL-EXPL240, Streamliner EXPL240, G-LUBE EX	: 240 cc
EXP480 / EXPL480, EM-XPL480, TL-EXPL480, Streamliner EXPL480	: 480 cc

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 17ATEX0012 X**

Issue No. **3**

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 510013700, Issue 3.

(17) **Specific conditions of use**

Electrostatic charges on the non-metallic enclosure shall be avoided.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 510013700, Issue 3.