



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa06ATEX0284X**

4 Equipment or Protective System: **SafeTap**

5 Manufacturer: **ORECO A/S**

6 Address: **Lejrvej 25, DK-3500, Vaerloese, Denmark**

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 Baseefa (2001) Ltd., Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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.

The examination and test results are recorded in confidential Report No. **06(C)0486**

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

EN13463-1:2001 EN13463-5:2003

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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. 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 1 G c T4 -20°C ≤ Tamb ≤ 50°C

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **5679**

Project File No. **06/0486**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number Baseefa06ATEX0284X

15 Description of Equipment or Protective System

The SafeTap is a hydraulic driven cold cutting tool, comprising a shaft mounted cutting plate, worm gear mechanism and hydraulic motor.

In operation, the unit is mounted to a metal trunk, which in turn is bolted to the workpiece, such that the cutting bits fitted around the periphery of the cutting plate are in contact with the workpiece. The hydraulic motor drives the cutting plate and thus the cutting process begins.

A hand operated rotary handle, mounted to the worm gear, allows the cutting plate to be gradually lowered, thus maintaining contact force between the drilling bits and the workpiece as cutting proceeds. A mechanical counter mounted to the handle and a pressure gauge fitted to the hydraulic motor, allow the cutting depth and the contact force (and hence the speed of cutting), to be monitored.

The hydraulic motor is accepted on the basis of a Declaration of Conformity by the respective manufacturer. As such, it does not form part of this assessment.

16 Report Number

06(C)0486

17 Special Conditions for Safe Use

1. The hydraulic motor must be placed outside the Category 1 environment at all times.
2. The maximum permitted operating pressure, as indicated on the pressure gauge, is 50bar.
3. The maximum permitted flow of oil to the hydraulic motor is 30litres/min.
4. The cutting operation must not continue beyond a maximum of 85 revolutions of the rotary handle.
5. If the unit is operated in a vessel having an enclosed volume of greater than 100m³, the internal atmosphere of the vessel must be controlled to ensure that a flammable atmosphere does not occur.
6. The interface between the drilling bits and the workpiece must be supplied with cutting oil, to provide lubrication and cooling throughout the cutting process.
7. The unit must be effectively earthed at all times when in use.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Rev	Date	Description
AS-02-0-01	3	07.06.28	Constructional Arrangement
ST-23-013	3	07.06.28	Main Shaft
ST-23-017	1	07.06.20	Worm Gear
-EQ-23-018	0	07.06.20	Flat Tool Bit
-EQ-23-019	0	07.06.20	V-Shape Tool Bit

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Number	Rev	Date	Description
02-900-ST-23-023	5	07.06.20	Trunk With Nozzle
ST-23-032	1	07.06.20	Cup For Lip Seal
ST-21-009	2	07.06.20	Handle
ST-23-044	1	07.06.20	Nameplate



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0284X/1**
- 4 Equipment or Protective System: **SafeTap**
- 5 Manufacturer: **ORECO A/S**
- 6 Address: **Lejrvej 25, DK-3500, Vaerloese, Denmark**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0284X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

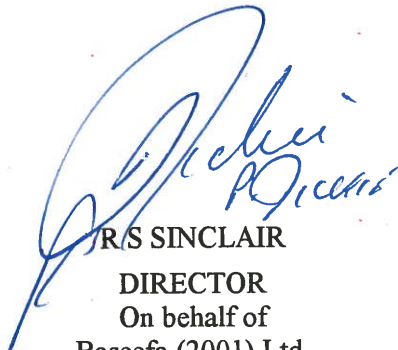
Baseefa Customer Reference No. 5679

Project File No. 07/1032

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R/S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number Baseefa06ATEX0284X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Re-designation of the SafeTap as the SafeTap 220/400H.

Variation 1.2

Alternative arrangement employing an extended trunk, to form the SafeTap 220/1100H.

Variation 1.3

Alternative arrangement employing a wider trunk and cutter plate, to form the SafeTap 330/400H.

In this arrangement the temperature classification is T3.

16 Report Number

07(C)1032

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Rev	Date	Description
02-920-AS-02-0-01	0	07.12.12	General Arrangement SafeTap 220
02-900-ST-23-002	6	08.01.14	Cutting Plate SafeTap 220
02-910-ST-23-050	1	08.01.14	Cutting Plate SafeTap 330
02-900-ST-23-023	6	08.01.14	Trunk SafeTap 220/400H
02-910-ST-23-051	0	07.10.18	Trunk SafeTap 330/400H
02-910-ST-23-044	2	08.01.08	Nameplate SafeTap 330

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0284X/2**

4 Equipment or Protective System: **SafeTap**

5 Manufacturer: **ORECO A/S**

6 Address: **Lejrvej 25, DK-3500, Vaerloese, Denmark**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0284X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **5679**

Project File No. **14/0565**

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A handwritten signature in black ink, appearing to read 'R S Sinclair', with a second signature 'M. DOWNEY' written below it.

R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa06ATEX0284X/2**

15 **Description of the variation to the Equipment or Protective System**

Variation 2.1

To permit various minor drawing changes; these changes do not affect the method of protection of the equipment.

16 **Report Number**

None.

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
AS-02-0-01	1 of 1	5	09/10/2008	Constructional Arrangement
ST-23-013	1 of 1	3	28/06/2007	Main Shaft
ST-23-017	1 of 1	1	20/06/2007	Worm Gear
-EQ-23-018	1 of 1	0	20/06/2007	Flat Tool Bit
-EQ-23-019	1 of 1	0	20/06/2007	V-Shape Tool Bit
ST-23-032	1 of 1	1	20/06/2007	Cup For Lip Seal
ST-21-009	1 of 1	2	20/06/2007	Handle
02-920-AS-02-0-01	1 of 1	0	12/12/2007	General Arrangement SafeTap 220
02-900-ST-23-002	1 of 1	6	14/01/2008	Cutting Plate SafeTap 220
02-910-ST-23-050	1 of 1	1	14/01/2008	Cutting Plate SafeTap 330
02-900-ST-23-023	1 of 1	6	14/01/2008	Trunk SafeTap 220/400H
02-910-ST-23-051	1 of 1	0	18/10/2007	Trunk SafeTap 330/400H
02-910-ST-23-044	1 of 1	2	08/01/2008	Nameplate SafeTap 330