



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 06ATEX9109U** Issue: **4**

4 Component: **Type 2774A Safe-T-Break**

5 Applicant: **Husky Corporation**

6 Address: 2325 Husky Way  
Pacific  
Missouri  
63069  
USA

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 13617-2:2012                      EN 13463-1:2009                      EN 1127-1:2011

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

II 1G  
EN 13617-2  
TYPE 1

Project Number 80007542

N Jones  
Certification Manager

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## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

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#### 13 DESCRIPTION OF COMPONENT

The device is intended to be mounted in the fuel line of liquid fuel dispenser and is designed to release when a tensile force of between 800 N and 1500 N is applied. Spring activated poppet valve mechanisms are located in the fuel line and are held open by a central pin. When the safe-break becomes separated, the fuel flow is shut off and flow cannot be restored. Sealing between the two halves of the device is achieved by means of 'O' ring seals and the mechanism is retained by means of a shear-pin. The devices are manufactured in Zamak 3 –Zinc-Al Alloy and are designed for operating pressures up to 3.5 bar.

**Variation 1** - This variation introduced the following changes:

- i. The recognition of a new tempering option for the shear pin, part number 005862, this affects the separation force.
- ii. Minor machining modifications were endorsed.

**Variation 2** - This variation introduced the following change:

- i. Minor drawing modifications were recognised, these are mainly administrative but also involve material and dimensional changes.

**Variation 3** - This variation introduced the following change:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 13617-2:2004, EN 13463-1:2001 and EN 1127-1:1997 were replaced by EN 13617-2:2012, EN 13463-1:2009 and EN 1127-1:2011.

**Variation 4** - This variation introduced the following changes:

- i. Updates to drawings, 002774A, 003076A, 004034A & 005134A to show details previously omitted from the drawings.
- ii. To correct standard listing typo; correct EN 1127:2011 on all certificates listed to read EN 1127-1:2011.
- iii. Correct a typo, which suggested 002861, was the current shear pin used for Safe-T-Break, 002774A.
- iv. Make minor changes to the type marking on the certificate to align with marking on components: Type 2774 becomes Type 2774A.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	19 May 2006	R51M14821A	The release of prime certificate.

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## SCHEDULE

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**Issue 4**

Issue	Date	Report number	Comment
1	2 December 2007	R18651A	This Issue covers the following changes: <ul style="list-style-type: none"><li>All previously issued certification was rationalised into a single certificate, Issue 1, Issue 0 referenced above is only intended to reflect the history of the previous certification and has not been issued as a document in this format.</li><li>The introduction of Variation 1.</li></ul> The standard number was added to clause 12 in line with the marking section in report R51M14821A.
2	25 March 2013	R27632A/00	The introduction of Variation 2.
3	04 June 2015	R70024215A	The introduction of Variation 3.
4	12 September 2019	R80007542A	This Issue covers the following changes: <ul style="list-style-type: none"><li>EC-Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC-Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li><li>The introduction of Variation 4.</li></ul>

#### 15 SCHEDULE OF LIMITATIONS

None

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

#### 17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 Every safe break shall be subjected to the routine tests required by Table 4 of EN 13617-2.

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# Certificate Annexe



Certificate Number: **Sira 06ATEX9109U**  
Component: **Type 2774A Safe-T-Break**  
Applicant: **Husky Corporation**

## Issue 0

Drawing	Sheet	Rev.	Date	Title
002774	1 of 1	5	26 Apr 06	Type 2774 Safe-T-Break general arrangement and marking
003422	1 of 1	3	07 Aug 03	Spring
002681	1 of 1	12	21 Jul 05	Shear pin
003367	1 of 1	10	01 Dec03	Check valve
003371	1 of 1	3	04 Feb 02	Snap cone
O-Ring	1 of 1	2	20 Jan 06	'O' ring details (parts numbers 000070 & 003421)
005243	1 of 1	1	24 Mar 03	Body
005244	1 of 1	1	24 Mar 03	Body insert
005339	1 of 1	2	19 Nov 03	Check valve assy

## Issue 1

Drawing	Sheet	Rev.	Date	Title
002774	1 of 1	7	23 Nov 09	Safe-T-Break 3/4 x 3/4 BSPP

## Issue 2

Drawing	Sheet	Rev.	Date (Sira Stamp)	Title
002774	1 of 1	8	07 Aug 12	Safe-T-Break 3/4 x 3/4 BSPP
003422	1 of 1	5	07 Aug 12	Spring
002681	1 of 1	15	07 Aug 12	Shear pin
003367	1 of 1	11	07 Aug 12	Check valve
003371	1 of 1	6	07 Aug 12	Snap cone
000070	1 of 1	5	07 Aug 12	'O' ring -018, Fluorocarbon
003421	1 of 1	7	07 Mar 13	'O' ring -014, Fluorocarbon
005243	1 of 1	4	07 Aug 12	Body
005244	1 of 1	4	07 Aug 12	Body insert
005339	1 of 1	3	07 Aug 12	Check valve assy.

**Issue 3:** (No new drawings were introduced)

## Issue 4

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
002774A	1 of 1	12	02 JUL 19	SAFE-T-BREAK 3/4 x 3/4 BSP ATEX

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