	REFERENCE:	PRE - F - 25	ISSUE:	03
	TITLE:	PED ASSESSMENT REPORT		

NAME AND ADDRESS OF MANUFACTURER	LOCATION OF INSPECTION	REPORT NO
True Fusion Ltd, trading as Steam Technology Unit 10 Verralls Business Centre Maidstone Road Cranbrook Kent TN17 2 AF	At the works of True Fusion Ltd, Cranbrook Kent	HPiVSie/iP1089-001-1

## DESCRIPTION

Copper boilers.  
 Sampled serial number ST1411 04.2020

<b>Manufacturer</b>	True Fusion Ltd.	<b>Risk Category</b>	II
<b>Design Code</b>	N/A	<b>PED Module Applied</b>	A2
<b>Pressure Range</b>	6.9 bar (100 psi)	<b>Test Pressure</b>	13.8 bar (200 psi)
<b>Temperature Range</b>	N/A	<b>Test Date</b>	28 April 2020

## REPORT

### Introduction

The above range of boilers manufactured by True Fusion Ltd fall within the scope of the Pressure Equipment Directive and as such appropriate conformity assessment procedures must be deployed during the design, manufacture and test of the items. At up to Category II, Module A2 is an appropriate conformity assessment module, and HPi Verification Services (Ireland) Ltd (Notified body no. 2810) has been appointed by True Fusion Ltd. as the Notified Body for the Conformity Assessment.


Previous Module A2 surveillance had been undertaken by HPi Verification Services Ltd (Notified body no. 1521). True Fusion Ltd has manufactured 11 CE marked category II copper boilers since that inspection.

### Scope

Undertake surveillance on the Module A2 assessment of the above type of boiler manufactured by True Fusion Ltd.

### Contents / Results

The final inspection and test process as used True Fusion Ltd. was assessed and found to be complete and in compliance with the requirements of the Pressure Equipment Directive.

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It covered all aspects of the final inspection and test of the equipment being manufactured and is being adequately implemented. A pressure test of the described copper boiler was witnessed. The test pressure of 13.8 bar was held for ten minutes with no signs of stress or distortion. 0-60 bar pressure gauge with serial number 74105 was used. The gauge was calibrated by Thermosense on 18 March 2019 against a pressure simulator with serial number 481505, which was traceable to UKAS calibration laboratory no. 0495.

Welding and brazing procedures and welder and brazer qualifications were checked. These were approved by Code-a-Weld (RTPO, with UKAS no. 342).


Material certificates were sampled. True Fusion has an EN 10204 3.1 certificate from MKM Mansfelder for its EN1652 copper plate. MKM Mansfelder holds an ISO9001:2015 certificate issued by Lloyds Register. True Fusion has an EN 10204 3.1 certificate from Leeds Bronze its bronze fittings. Leeds Bronze holds an ISO9001:2015 certificate issued by SGS.



#### Recommendations

Module A2 certificate number HPiVSie/iP1089-001-I-01 has been issued and True Fusion Ltd. is hereby authorised to place the HPi Verification Services (Ireland) Ltd's Notified Body number (2810) adjacent to the CE mark on the dataplates of the copper boilers in Category II covered by that certificate.

This certificate is issued subject to surveillance being carried out as required by the Pressure Equipment Directive. Estimated annual production of category II copper boilers is no greater than thirty. Based on this level of production, HPiVS shall undertake surveillance inspections every 12 months and witness the final assessment of one category II copper boiler at each inspection. The next surveillance date is 28 April 2021.

True Fusion Ltd shall inform HPiVS if actual annual production of category II copper boilers exceeds thirty.

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<b>Signature</b>  Name T. Read CEng  <b>Assessment / Inspection Engineer, HPi Verification Services</b>		
		Date of Report 1 May 2020