



Inspection Certificate

Project: **Low Temperature Function Testing of HPU**

Client: **Paladon Systems Limited
Ferro Fields, Brixworth
Northampton
NN6 9UA**

Office: **Coventry**

Client's Order Number: **POR37893**

Date: **16 November 2010**

Order Status: **Complete**

Inspection Dates

First: **09 November 2010**

Final: **09 November 2010**

This certificate is issued to **Paladon Systems Limited**, to certify that the undernoted did at their request, attend their site in **Brixworth, Northampton** to examine the items detailed below :-

Item: Low Temperature Hydraulic Power Unit with HY Series Actuator
Model: HYD-14-56-DA-LM-60/C/Y-LS-60
Actuator Serial Number: RFPL09-79 1/1
Test Procedure: LTHPU-TP dated 8/11/2010
Drawing Number: CPR15015-02-01 Rev 0
Schematic Drawing Number: CPR15015-05-02 Rev 0
Temperature Range: -65°C to + 80°C

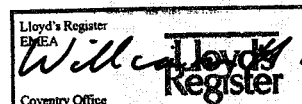
Scope of Inspection

Review calibration of thermocouples – Satisfactory
Witness test procedure LTHPU-TP which included:

1. 10 Cycle Function Test of Hydraulic Power Unit at -65°C
2. Hold at -65°C for 1 hour
3. 10 Cycle Function Test of Hydraulic Power Unit at -65°C
4. Bring chamber and unit to ambient temperature
5. 10 Cycle Function Test of Hydraulic Power Unit at ambient temperature

Visually inspect the Hydraulic Power Unit that it is free from leaks – Satisfactory
Endorse Paladon Test Certificate LTHPU-TC1 – Satisfactory

On the basis of the scope of inspection undertaken, the items have been found to comply with the order and specification requirements.



W. H. French for and on behalf of C. M. Elstead
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

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Item: Low Temperature HY Series Actuator
Actuator Serial Number: RFPL09-79 1/1
Test Procedure: LTHPU-TP dated 8/11/2010
Drawing Number: CPR15015-02-01 Rev 0
Schematic Drawing Number: CPR15015-05-02 Rev 0
Temperature Range: -65°C to + 80°C

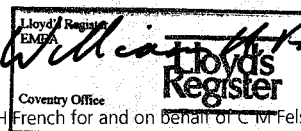
Scope of Inspection

Review calibration of thermocouples – Satisfactory
Witness test procedure LTHPU-TP which included:

1. 10 Cycle Function Test of Actuator at -65°C
2. Hold at -65°C for 1 hour
3. 10 Cycle Function Test of Actuator at -65°C
4. Bring chamber and unit to ambient temperature
5. 10 Cycle Function Test of Actuator at ambient temperature

Visually inspect that the assembly and actuator are free from leaks – Satisfactory
Endorse Paladon Test Certificate HY-TC1 – Satisfactory

On the basis of the scope of inspection undertaken, the items have been found to comply with the order and specification requirements.



Coventry Office
W H French for and on behalf of C M Felshead
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

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