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January 22, 2019

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type.: BPV-National AB
Service Request No.: 2453628
Your Reference No.: R-0987
Registered to.: API HEAT TRANSFER

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: R5022.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

December 04, 2018

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: tfrancis@tssa.org

The design submission, tracking number 2018-08003, originally received on December 04, 2018 was surveyed and accepted for registration as follows:

CRN : R5022.52

Accepted on: December 04, 2018

Reg Type: NEW DESIGN

Drawing No. : 1510-08-036-023 Rev 2

Design registered in the name of : API HEAT TRANSFER

Description	MAWP	Design Temperature	MDMT
TS Internal Pressure	1034kPa	149 °C	-7 °C
SS Internal Pressure	2068kPa	149 °C	-7 °C

The registration is conditional on your compliance with the following notes:

Please note that this vessel may not be pressurized when its temperature is colder than -7 [deg.C]. This note to appear on MDR.

Please note that the exposed inside edges shall be chamfered or rounded.

Please note that the 8 threads engaged minimum shall be for openings 2" NPT and 6 threads engaged minimum shall be for openings 0.5" NPT.

- This heat exchanger design has been evaluated for 150[psi] tube side and 115[psi] shell side operating conditions with mean metal temperature of 119.72[deg. F] (Shell Side) and 93 [deg.F] (Tube Side). It shall be reevaluated for conditions outside this range before being operated at them.

The above notes shall be listed on form U-5 of the MDR.

Acceptance is based on the understanding that the gasket m=3.5, y=3700 [psi] is between the shell and tube flanges.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3335 or fax (780) 437-7787 or e-mail Dedovic@absa.ca.

Sincerely,



DEDOVIC, BLAZO, M. Eng.

December 04, 2018
DOP Cert. No. D00005642