



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel. 416 734 3300  
Fax. 416 231 1626  
Toll Free: 1.877.682.8772

www.tssa.org

April 06, 2018

MIKE BELL  
TUBE-MAC PIPING TECHNOLOGIES LTD  
853 ARVIN AVE  
STONEY CREEK ON L8E 5N8  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2259476  
**Your Reference No.:** MPL-3046  
**Registered to:** TUBE-MAC PIPING TECHNOLOGIES LTD

Dear MIKE BELL,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0A12153.5R1  
Main Design No.: PYPLOK CONNECTORS: NPS PIPE (DM20 SERIES) & OD TUBE (DM 60 SERIES)  
Expiry Date: 06-Apr-2028

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Note:

Renewal of CRN.

Various type, size and pressure & temperature rating. Pyplok connectors.

Material: Carbon steel: ASME SA 350 LF2 Class 1, Stainless steel: ASME SA 479 Grade 316/316L.

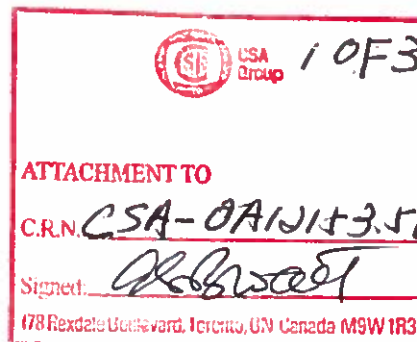
Please refer to Scope for detail of registration.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Norman Ngai

Norman Ngai, P. Eng.  
Mechanical Engineer  
Boilers and Pressure Vessels  
Safety Program  
Tel. : 416-734-3557  
Fax : 416-231-6183  
Email : nngai@tssa.org  
www.tssa.org



**From:** Mike Bell [mailto:mike.bell@tube-mac.com]  
**Sent:** March 23, 2018 4:08 PM  
**To:** Norman Ngai <NNgai@tssa.org>  
**Subject:** RE: TSSA SR # 2259476, Ref. Renewal of CRN OA12153.5

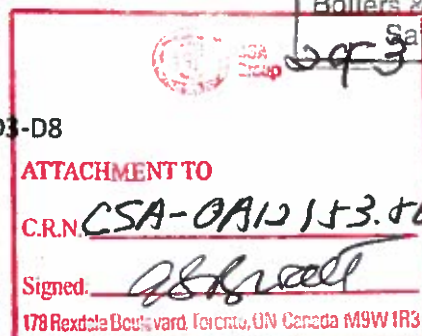
Hi Norman,  
I hope I was able to answer most of your questions today. In summary of our conversation, please see below my responses:

A copy of scope of registration. This is a renewal request for an existing National Designation Category "A" Type of Pipe Fitting and Mechanical Pipe Couplings. I have attached the Ontario Statutory Declaration.

- a) Design Code & Edition Year  
ASME B31.3 – 2016  
ASME B31.1 – 2016
- b) Design Pressure  
Varies depending on fitting size. See Calculation Book, Section 1 p.3.  
Last 2 columns titled: CRN-MAWP (one column for ratings @ test temperature, one column for ratings @ maximum design temperature)  
  
Design Temperature  
177C (350F) as determined by Guidelines for the Registration of Non-Nuclear Fittings in the Province of Ontario, Appendix B
- c) Corrosion Allowance  
Zero Allowance, None
- d) MDMT – Minimum Design Metal Temperature  
-20C (-4F) as determined by o-ring materials. Standard o-ring is Viton material. Proof tests used Viton material.
- e) Material Specification  
Part numbers with "G" = ASME SA 350 LF2 Class 1 (see Calculation Book, Section 1 p.3., NOTES 1)  
Part numbers with "K" = ASME SA 479 Grade 316/316L (see Calculation Book, Section 1 p.3., NOTES 2)
- f) Material Sizes  
See Calculation Book, Section 1 p.3, Column 1  
NPS, Nominal Pipe Size: ¼" thru 2"  
OD Tube: 5/8" thru 2"
- g) Models or types  
See Drawing Book, Section 1, p.C3-C19 & D3-D8  
Specifically, this includes:  
Coupling

THIS IS PART OF  
CRN OA12153.5 R1  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety N.N.

APR - 6, 2018



Coupling with Inner Stop  
90 Degree Elbow  
45 Degree Elbow  
Tee  
Reducing Tee  
Straight Reducer Coupling  
End Cap

Proof Test Results as supporting documents were included in the original submission. See Calculation Book, Section 2 "Proof Test Reports".

I trust this email provides all the information you requested. If you have further concerns or requirements, please contact me.

Thank you and Best Regards,  
**Mike Bell, P.Eng.**  
Research & Development Project Manager

T 905.643.8823 x146  
M 289.775.7291  
F 905.643.0643

**Tube-Mac Piping Technologies Ltd.**  
853 Arvin Ave.  
Stoney Creek, ON  
Canada  
L8E 5N8

ABS, BV, DNV, LR, CCS, RMRS, CRN, TSSA, NAVSEA Approved Products  
ISO 9001:2008 Certified | [www.tube-mac.com](http://www.tube-mac.com) | [www.pyplok.com](http://www.pyplok.com)

THIS IS PART OF  
CRN 0A12153.5R1  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety N.N.

APR. 6, 2018.



# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## **Tube-Mac Piping Technologies Ltd.**

Main Site: 853 Arvin Avenue, Stoney Creek, Ontario, L8E 5N8,  
Canada

has been registered by Intertek as conforming to the requirements of:

## **ISO 9001:2015**

The management system is applicable to:

Manufacturing of non-welded piping systems and fittings.

**Certificate Number:**

4917-3-02

**Initial Certification Date:**

07 September 2006

**Date of Certification Decision:**

24 July 2017

**Issuing Date:**

24 July 2017

**Valid Until:**

06 September 2018



A handwritten signature in black ink, appearing to read 'Calin Moldovean'.

**Calin Moldovean**  
President, Business Assurance

Intertek Testing Services NA, Inc.,  
900 Chelmsford Street, Suite 301-3, Lowell,  
MA, USA

