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**Date: 04/17/2017**

To,  
TRM Sensors LLC  
P.O. Box 2822  
Redwood City, CA 94064

This letter is to confirm that CSA group provided Technical Information Services (TIS) for TRM Sensors probes models TRM-CB, TRM-CC, TRM-DFS-3, TRM-UST and TRM-HX. As per the TIS report 70124063, above mentioned models are considered to be simple apparatus, however the complete assessment as per the applicable standards (CSA / EN / IEC / UL 60079-11) was not carried out.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jignesh Dabhi', with a horizontal line underneath.

Jignesh Dabhi  
Team Lead  
CSA Group

2860 Guilder Dr,  
Plano Tx 75074

Tel 817-987-4464  
jignesh.dabhi@csagroup.org



# Technical Information Service Report

TIS Report: 70124063  
Date: April 13, 2017

**CLIENT:** TRM Sensors  
2320 Cheshire Way  
Redwood City, CA 94061, USA

- Invoice
- Charge to: \_\_\_\_\_
- Agreement Required:  Yes  No  
Agreement Received:  Yes  No

**SUBJECT:** Technical Information Service to determine whether referenced devices are simple apparatus – and to evaluate the possible issuing of letter of attestation.

**APPLICABLE REQUIREMENTS:** C22.2 No. 60079-0:2015; UL 60079-0:2013; IEC 60079-0:2011 Ed. 6; EN 60079-0:2012/A11:2013; C22.2 No. 60079-11:2014, UL60079-11:2014, IEC 60079-11:2011 Ed. 6, EN 60079-11:2012

Service given by:	Ron Bell	
	CSA Representative	Signature
Services acknowledged:	Mr. Ken McCoy	
	Send invoice to	Signature

**DISCUSSION:**

- Probes (Models TRM-CB, TRM-CC, TRM-DFS-3, TRM-UST and TRM-HX) are considered to be simple apparatus as per CSA / EN / IEC / UL 60079-11 Clause 5.7 a) & b) since the sensors are resistive devices; there are no energy storage components; and the sensors do not contain any means of increasing the available voltage or current. Drawings TRM-CB Final Assembly, TRM-CB Schematic, TRM-CB-6 Combination Crude Oil\_Brine Sensor Data Sheet; TRM-CC Final Assembly, TRM-CC Schematic, TRM-CC Sump Sensor Data Sheet-9 and 35 inch version; DFS-3 Final Assembly, TRM-DFS-3 Schematic, TRM-DFS-3.2 DS-03.22.2016; TRM-UST Final Assembly, TRM-UST Schematic, TRM-UST Data Sheet Rev , TRM-HX Final Assembly, TRM-HX Schematic, TRM-HX Data Sheet and physical samples of TRM-CC, TRM-CB, TRM-DFS-3, TRM-UST and TRM-HX were used for verification.
- Complete assessment per as per CSA / EN / IEC / UL 60079-11 clauses 5.7 a) and b) was not carried out.
- No clauses of CSA / EN / IEC / UL 60079-0 were assessed.
- No requirements for non-hazardous locations (for North America) were assessed.
- Difference between North American Certification and ATEX / IECEx Certification was discussed.

---End of Report---

*The completion of this form does not imply certification or approval of the "SUBJECT" product nor any features or components thereof. CSA Certification Marks shall not be used prior to certification.*

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