

July 1, 2015

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, Maryland 21046

Subject: Oil Sensor FCC Label and Location

FCC ID Number: 2AE6484A234628



**Figure 1: FCC Label Location**

The FCC label will comply with the FCC regulations per 2.925, 2.926(d), and 2.1033(b)(7).

**Functional Description:** The sensor takes capacitance, temperature, accelerometer, etc. data readings periodically and communicates them to the gateway if it is in range. An operator can also get in close

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proximity to the sensor and trigger readings from it with a handheld RFID unit. The units are designed to go on locomotives. RFID in the sensor is passive.

Sincerely,

A handwritten signature in blue ink that reads "Brian T. Hemmelman". The signature is fluid and cursive, with the first name "Brian" and last name "Hemmelman" clearly legible, and "T." as a small initial.

Brian T. Hemmelman  
Principal Engineer, DarCEO Inc.