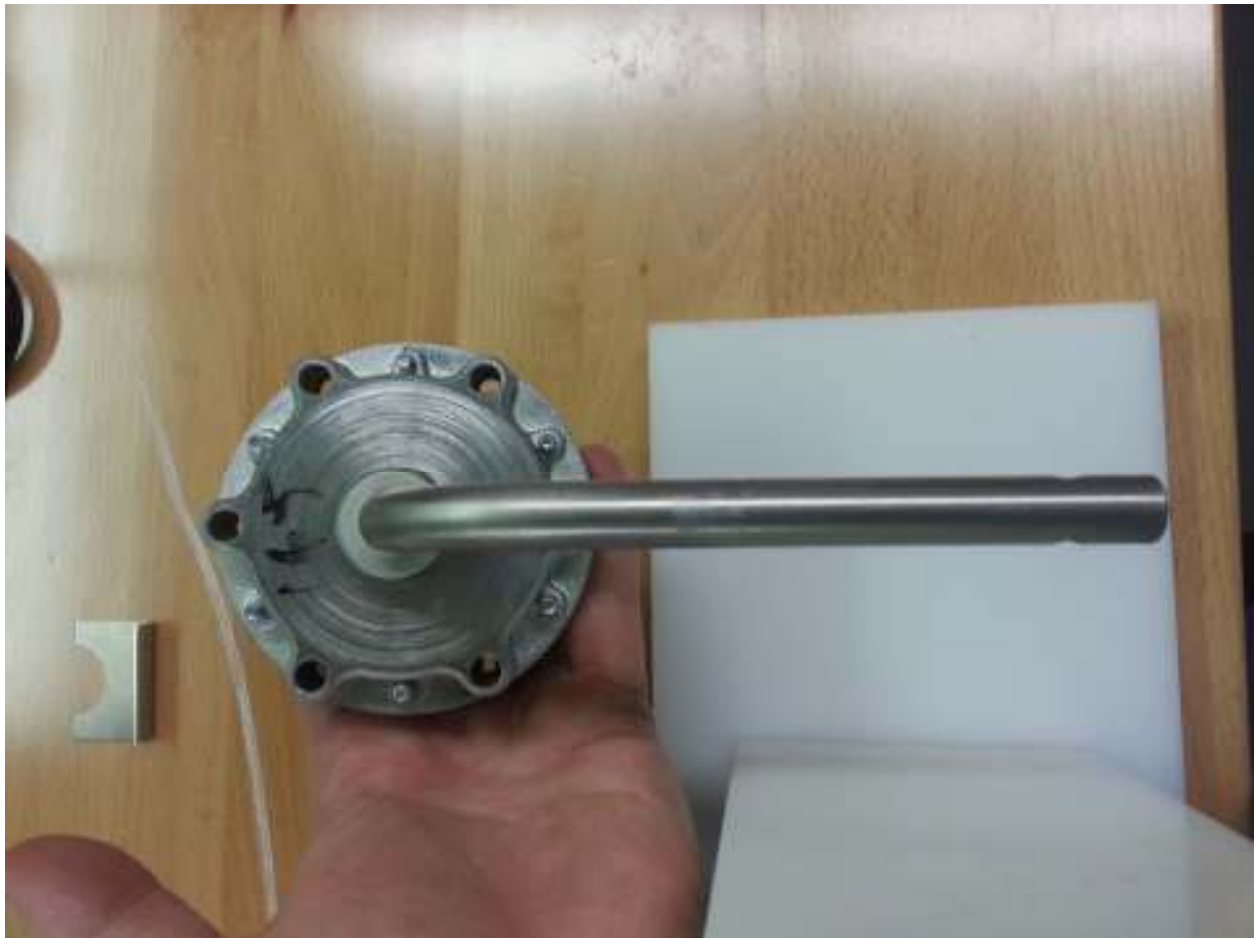


May 20, 2015

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

Subject: Oil Sensor External Photos



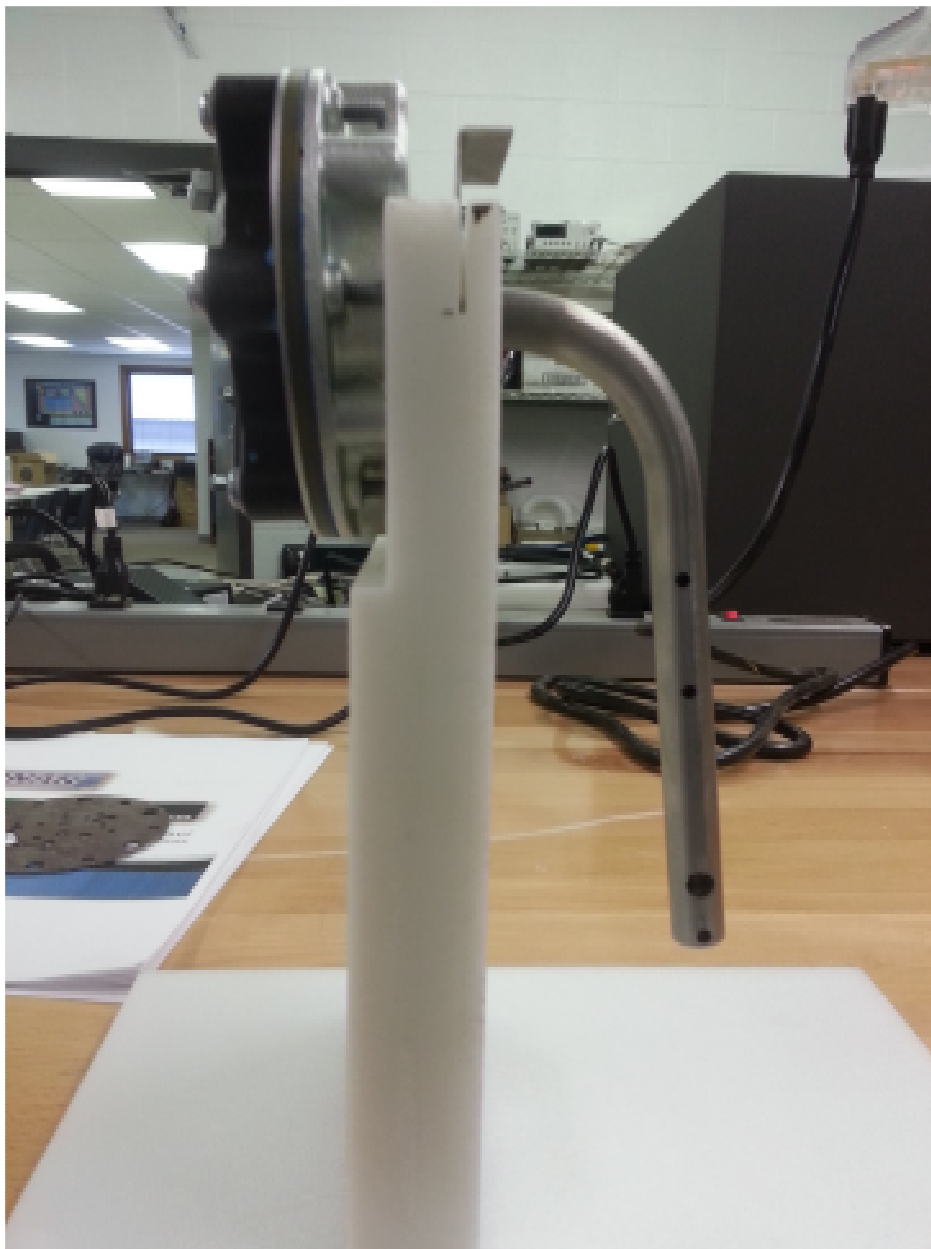
**Image 1: Casing – Back Side**



**Image 2: Casing – Bottom Side**



**Image 3: Casing – Front Side**



**Image 4: Casing – Left Side**



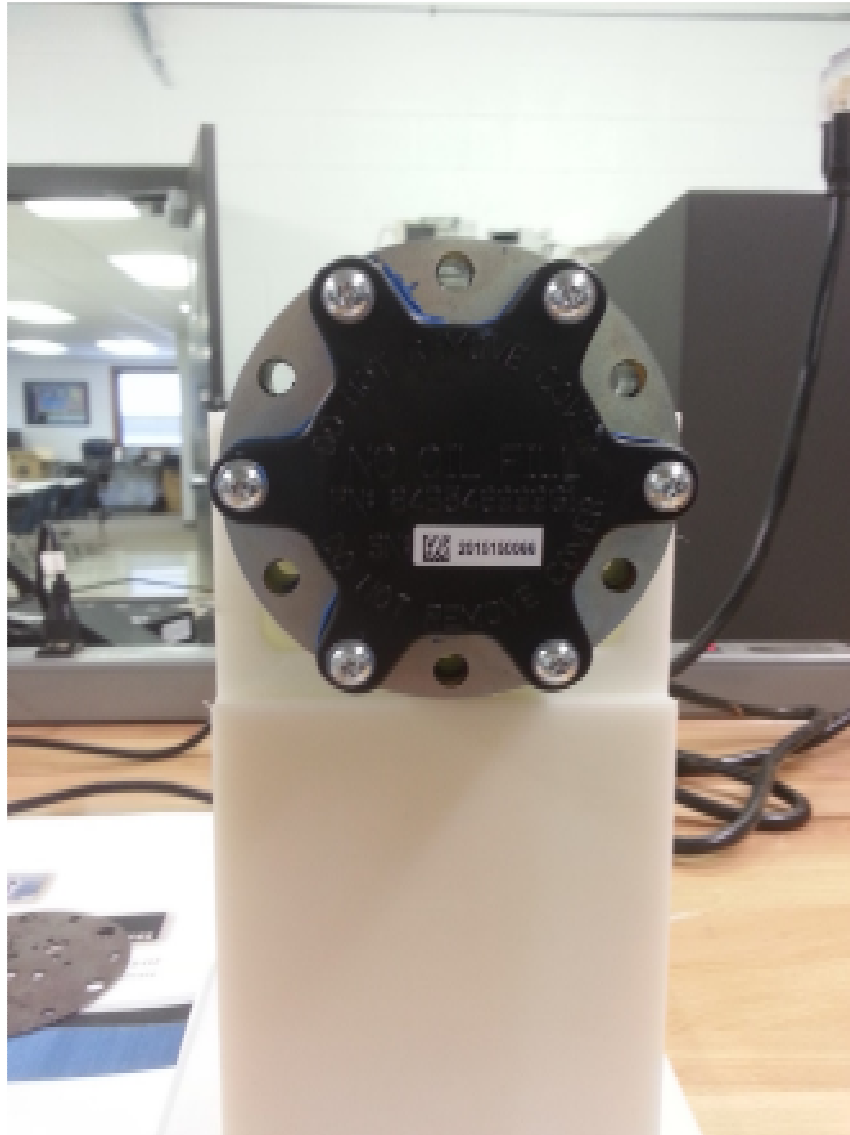
**Image 5: Casing – Top Side**



**Image 6: Casing – Right Side**



**Image 7: Casing – Back Side, View 2**



**Image 8: Casing – Front Side, View 2**

**Part Number:** 84A234628P1

**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 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,



Brian T. Hemmelman,  
Principal Engineer, DarCEO Inc.