

May 20, 2015

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

Subject: Oil Sensor External Photos

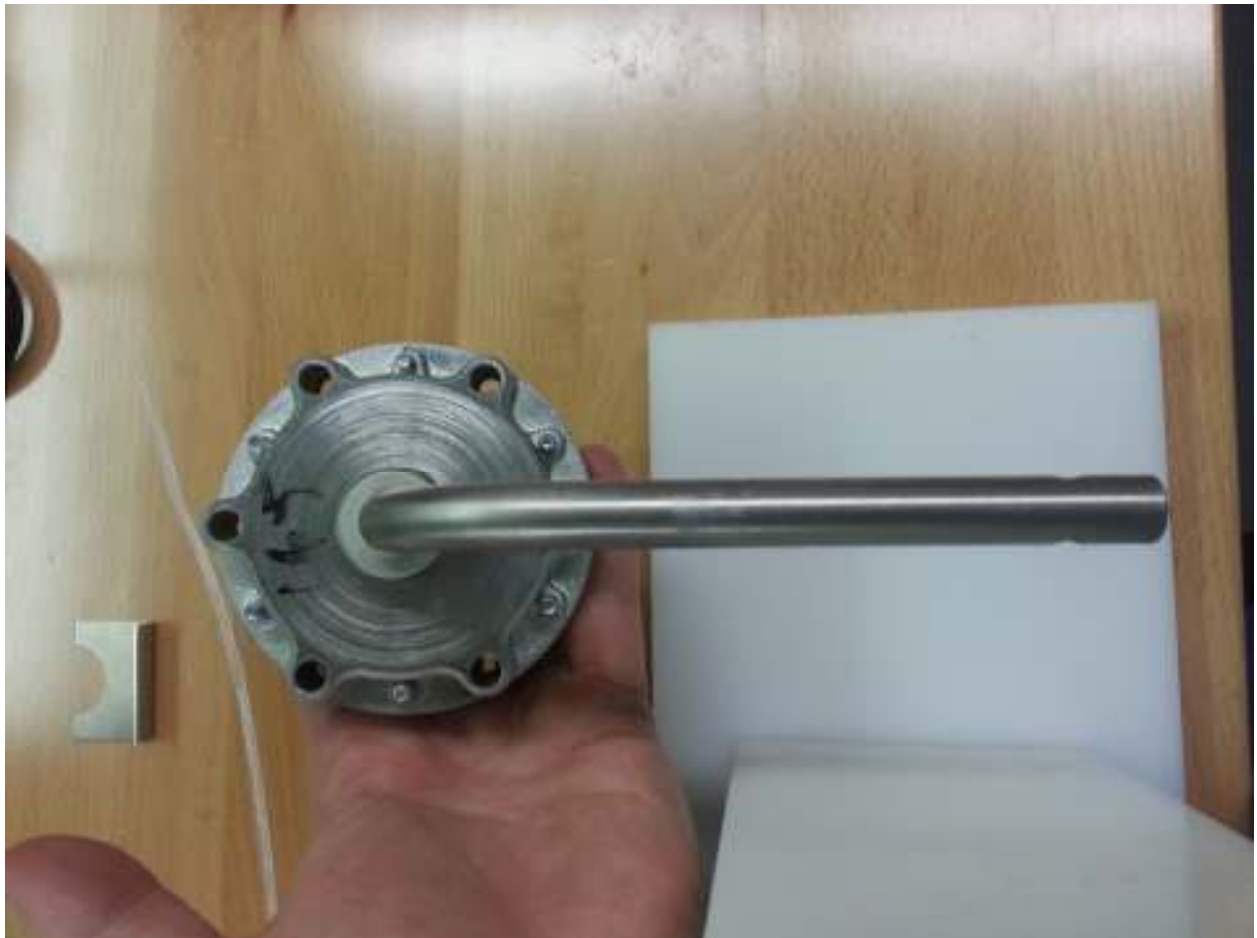


Image 1: Casing – Back Side



Image 2: Casing – Bottom Side



Image 3: Casing – Front Side

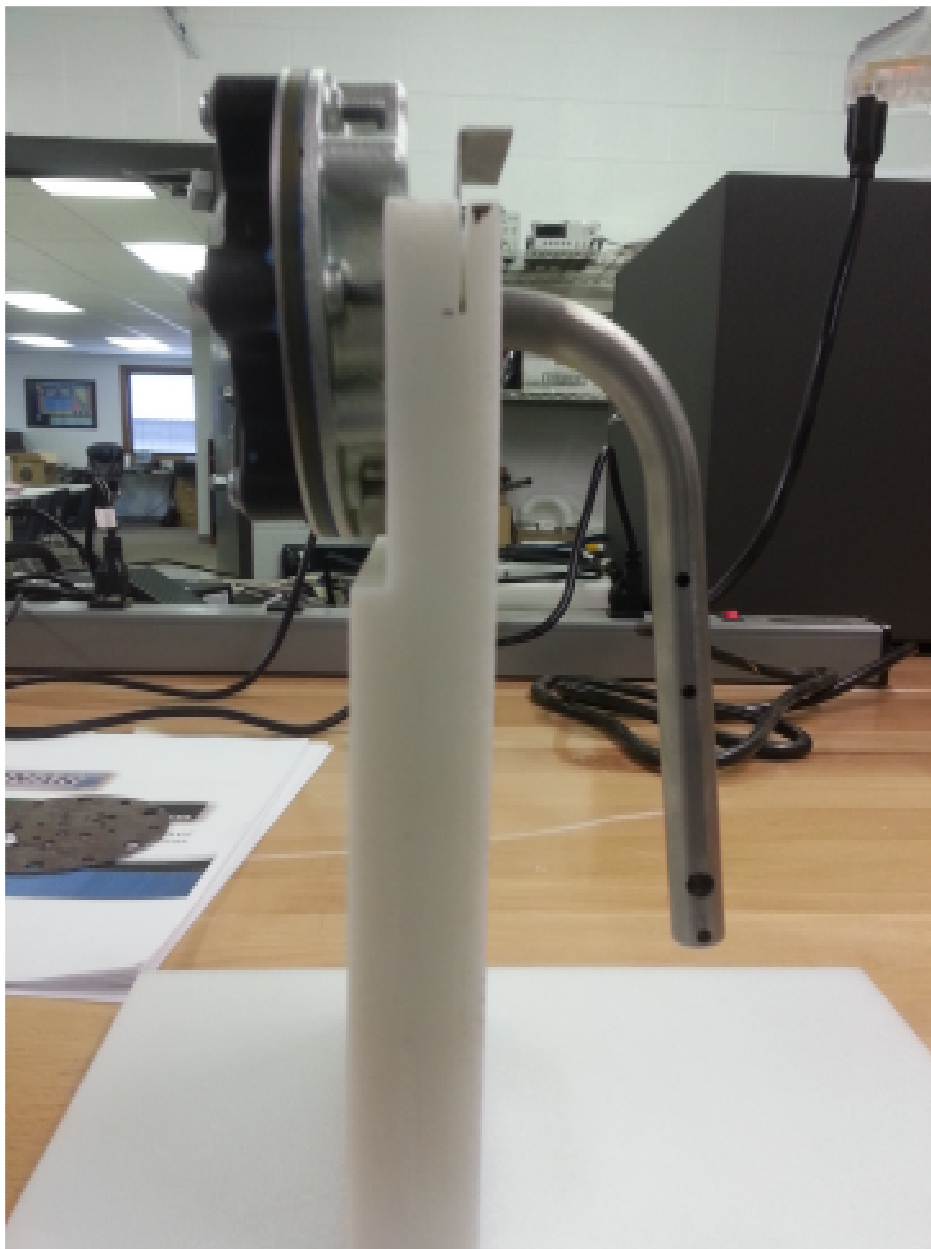


Image 4: Casing – Left Side



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.