

ATTACHMENT P.2

SCOPE OF WORK



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1. OVERVIEW

The Contractor shall provide all the necessary labor, equipment, material, transportation and any necessary supervision to provide the delivery of locomotive lube oil and other railroad lubricating products to VRE yards in both Manassas and Fredericksburg, Virginia.

2. GENERAL REQUIREMENTS

- A. The Contractor shall deliver locomotive lube oil and other railroad lubricating products upon request to VRE rail yards at the following locations:
 - 1. Broad Run Yard, 10637 Piper Lane, Bristow, VA 20136; and
 - 2. Crossroads Yard, 9400 Crossroads Industrial Parkway, Fredericksburg, VA 20110.
- B. The Contractor shall be on call twenty-four (24) hours a day, seven (7) days per week and designate a point of contact, including that person's 24/7 telephone number.
- C. Normal delivery shall be once per week to each yard.
- D. The Contractor shall be capable of delivering an average of seven hundred and fifty (750) gallons of main engine lube oil per week to both yards. The delivery shall be metered and the Contractor shall be able to print a receipt.
- E. Deliveries of locomotive lube oil shall be bulk, directly into totes. Other product volumes shall be light and variable.
- F. The Contractor shall take all due precautions to prevent any oil or lubricant spillage when totes or tanks are filled. The Contractor shall be liable for any damage caused by the service performed or by the failure to perform such service.
- G. The Contractor shall perform an on-site training class in the operation of equipment.



- H. The Contractor shall provide stainless steel double walled totes or storage tanks for each yard. The totes shall meet the following requirements:
1. Hold the main engine oil;
 2. Provide storage capacity of 350 – 500 gallons;
 3. Be handled by fork lifts;
 4. Have air driven pumps with glad-hand connection for railroad air source and a regulator to reduce the supply air pressure of 110 psi to the optimum for the pump that is supplied; and
 5. Have a 25' delivery hose with shut off handles at the delivery end which also shuts off the pump.
- I. VRE reserves the right to add lubricants during the term of the Contract.

3. PRODUCT SPECIFICATIONS

- A. Main engine lubricating oil:

20W40, with Minimum TBN (total base number) of 13 or
17 max Zinc 10ppm

- B. Locomotive HEP (head end power) engine lubricating oil:

15W40, API C14/CH4

- C. Traction Motor:

1. Gear Case Oil
2. Traction Motor support bearing oil

- D. Governor oil:

Hydraulic/ Turbine fluid

- E. Air compressor lubricating oil:

Hydraulic fluid



F. Anti freeze:

Ethylene glycol, dyed, 50/50 mix in 55 gallon drums

G. Gear grease:

1. Traction motor gear grease in 1 lb. bags
2. 1798 sus@210 F, lithium base

