

**CARB Reformulated Gasolines**  
**KMEP Distribution System**  
**Fungible Specifications**

Effects due to any California variance fuels are NOT shown in the product specifications. Variance fuels (with any properties above the CAP Limits) will affect the pipeline fungible specification and terminal oversight program. Shippers must notify KMEP seven days prior to tendering any variance fuel for shipment. Variance fuels in EPA-RFG areas are required to meet all EPA requirements.

Product must be certified 2 hours prior to gathering or pumping, whichever occurs first.

**Diesel Requirements**  
**KMEP Distribution System**  
**Fungible Specifications**

Kinder Morgan Energy Partners (KMEP) specifications for diesel products tendered to the pipeline are FUNGIBLE for each product code. KMEP will provide throughput accounting data by PRODUCT CODE (D5, 80, and 84 only). This will equal the volume of diesel fuel transported (or transferred) for each product code through the pipeline system. KMEP will not provide throughput accounting data broken down by any other categories such as complying fuel, variance fuel, fuel sold for ultimate use outside of California, or fuel sold for use in non-vehicular sources.

**Renewable Diesel Requirements**  
**KMEP Distribution System**  
**Fungible Specifications**

Renewable diesel is defined as a liquid fuel derived from biomass that meets the registration requirements for fuels and fuel additives established by the EPA under Section 211 of the Clean Air Act and the requirements of ASTM D975 and does not contain FAME. KMEP accepts diesel fuel containing five volume percent or less of renewable content for product codes 80, 84, and D5. Effective 01/01/2023 CARB Diesel (80) for Southern California input may not exceed two (2) volume percent renewable diesel.

**Grabner RVP Test Equations**  
**KMEP Distribution System**  
**Fungible Specifications**

KMEP will use Grabner RVP test equipment and the following equations for our oversight testing programs for pipeline and terminal compliance. Suppliers using the Grabner RVP test equipment to certify batches using KMEP's "Supplier RVP Test Results", should utilize the following equations to calculate the RVPE:

- CARB EQUATION                       $RVPE \text{ psi} = (.972)x - .715$

All California gasoline at input stations and community terminal tankage will be tested using this equation year round.

- EPA EQUATION                       $RVPE \text{ psi} = (.956)x - .347$

This equation will be used for all conventional gasoline including community terminal tankage beginning with the transition period (4th cycle March) thru September 15.

- ASTM EQUATION                       $RVPE \text{ psi} = (.965)x - .548$

This equation will be used by any other RVP testing locations not defined above as well as for Arizona CBG/AZRBOB as required by AAC R20-2-759 (C).

On pipeline systems serving immediately adjacent geographical volatility classes, product is accepted for transport contingent on agreement between buyer and seller that either volatility class may be substituted for the other.