

**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.

**EPA SRGAS Handling**  
**KMEP East Line**

Notice is given to terminals receiving product from the East Line System that all conventional gasolines are subject to fungible operations by product grade, not sulfur content. That is, SRGAS may be commingled with low sulfur gasoline having the same octane and RVP properties. SRGAS is distinguished from its low sulfur counterpart by a reversal of the low sulfur alpha-numeric product code to the SRGAS numeric-alpha product code. Either product code may be delivered as the other; caution must be exercised regarding correct sulfur classification on terminal distribution. SRGAS will not be handled beyond cycle 48 of 2010.

**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 (D2, D5, 80 and 84) only. This will equal the volume of diesel fuel transported (or transferred) of 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.

Note the specific product requirements by product code in Section 6.3.

**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 input stations and community terminal tankage will be tested using this equation beginning March 1, 1996 and each year thereafter. For Southern California, this equation will be used during the transition period (2nd cycle February) thru October 31. For Northern California, this equation will be used during the transition period (2nd cycle March) thru October 31.

- 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.