

**TABLE 3.1**

**RECEIPT AND DELIVERY SAMPLING AND TESTING REQUIREMENTS**

<u>PRODUCT</u>	<u>SAMPLE SIZE</u>		<u>HOURLY</u>	<u>REQUIREMENTS</u> <u>HEAD</u>	<u>TESTING</u>		<u>REMARKS</u>
	<u>COMPOSITE</u>	<u>SPOT</u>			<u>TAIL</u>	<u>COMPOSITE</u>	
Conventional Gasoline	Gallon	Quart	Gravity #, Temp #, Appearance	Alcohol Content RVP (During control periods) Sulfur	—	—	Test head sample ASAP. Flush piping and manifold. See note (3)
Reformulated Gasoline (RFG) & Reformulated Gasoline Blendstock for Oxygenate Blending (RBOB)	Gallon	Quart	Gravity #, Temp #, Appearance	Alcohol Content RVP (During control periods) Benzene, Oxygen, Haze, Aromatics, Oxygenates, Olefins E200, E300, VOC Alcohol, Sulfur	—	—	Test head sample ASAP. Flush piping and manifold. See note (3).
JP-8	Gallon	Quart	Gravity #, Temp. #,	—	—	—	See note (4).
Heating & Diesel Oils	Gallon	Quart	Gravity #, Temp. #, Appearance	Flash Dye Content	Flash	Flash+	See note (2).
Low Sulfur Diesel Ultra Low Sulfur Diesel	Gallon	Quart	Gravity #, Temp. #, Appearance	Flash, Sulfur+	Flash, Sulfur	Flash+, Sulfur	See note (2).
Gas Oil	Gallon	Quart	Gravity #, Temp. #, Appearance	Viscosity Pour Point	—	—	
Kerosene Ultra Low Sulfur Kero	Gallon	Quart	Gravity #, Temp. #, Appearance	Flash, Sulfur Saybolt Color	Flash, Sulfur	Flash+ Sulfur	See note (2).
Jet A	Gallon	Quart	Gravity #, Temp. #, Appearance	Flash, Conductivity, White Bucket	Flash	Flash+	See notes (2) and (4).
Propane	Retain samples by shipper		Gravity #, Temp. #, Appearance	Volatility, residue oil stain	Volatility, residue, oil stain	—	Flush piping and manifold. See note (5).
Butane	Retain samples by shipper		Gravity #, Temp. #, Appearance	—	—	—	Flush piping and manifold.

- GENERAL NOTES:**
1. If custody transfer quantities are measured by gauging BPL tankage, a one-quart all-level sample is required for opening and closing. Free water and/or BS is to be determined for ticket preparation.
  2. Check flash point (go/no-go only) in addition to tests in table at midpoint on outgoing station movements when batch size is more than 20,000 barrels.
  3. The head end of all gasoline batches entering Buckeye's system must be checked for alcohol content (go/no go).
  4. At certain locations, JP-8 and Jet A are checked for membrane color rating (millipore); water separation characteristics (MSEP) and free water.
  5. At certain locations, propane shipments entering Buckeye's systems are checked for propane, butane, propylene, and other components by online Gas Chromatograph.
  6. Testing may vary by location depending upon available equipment.

+ *Data to be noted on ticket.*