

## Specification for PC-9 Reference Diesel Test Fuel

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MINIMUM</u> <sup>A</sup>	<u>MAXIMUM</u> <sup>A</sup>
Sulfur, % Weight	D 129 or equivalent	0.04	0.05
Gravity, °API	D287 or D4052	34.5	36.5 (37)
Hydrocarbon Composition, % Vol.			
Aromatics	D1319 (FIA)	(27) 28	33
Olefin	D1319 (FIA)		Report
Cetane Number	D613	(40) 42	48
Cetane Index	D4737 & D976		Report
Copper Strip Corrosion	D130		1
Flash Point, °C	D93	54	
Pour Point, °C	D97		-18
Cloud Point, °C	D2500		Report
Carbon Residue on 10% Residuum, %	D524 (10% Bottoms)		0.35
Water & Sediment, % Vol.	D2709		0.05
Viscosity, cSt @ 40°C	D445	2.4	3.0
Ash, wt%	D482		0.005
Total Acid Number	D664		0.05
Strong Acid Number	D664		0.00
Accelerated Stability	D2274		TBD
Distillation, °C	D86		
IBP			Report
10%			Report
50%			Report
90%		282	338
EP			Report

**A: Minimum/Maximum numbers in parentheses are EPA Certification Fuel Specifications.**