

Specifications Of Turbine Jet A-1

TEST	METHOD		SPECIFICATION
	ASTM d	IP	
Density @15 °C Kg/L	4052	-	775 - 840
Appearance	VISUAL		Clear, Bright and visually free from solid matter and undissolved water at ambient temperature
Colour	156	-	Report
Particulate Contamination mg/L	5452	-	(Max) 1.0
Total Acidity mgKOH / g	3242	-	(Max) 0.015
Aromatics % vol	1319	-	(Max) 25.0
Sulphur Total % mass	1266	-	(Max) 0.30
Sulphur , Mercaptan % mass	3227	-	(Max) 0.0030
Distillation : -	86	-	
Initial Boiling Point °C			Report
10% Recovered @ °C			(Max) 205
50% Recovered @ °C			Report
90% Recovered @ °C			Report
End Point °C			(Max) 300
Residue % vol			(Max) 1.5
Loss % vol			(Max) 1.5
Flash Point °C	-	170	(Min) 38
Freezing Point °C	2386	-	(Max) minus 47
Viscosity @ minus 20°C mm ² / S (cSt)	445	-	(Max) 8.0
Smoke Point mm	1322	-	(Min) 19
Naphthalenes % vol	1840	-	(Max) 3.0
Specific Energy, net MJ / kg	4529	-	(Min) 42.8
Corrosion Copper Strip @ 100 °C Class	130	-	(Max) 1
Thermal Stability (JFTOT) @ Control Temp.260 °C : -	3241	-	
Tube Deposit Rating (Visual)	-		Less Than 3, No Peacock (P)
Filter Pressure Differential mm Hg	-		(Max) 25
Existent Gum mg / 100 ml	381	-	(Max) 7
Microseparometer (MSEP) : -	3948	-	
Without SDA Rating	-		(Min) 85
With SDA Rating	-		(Min) 70
Electrical Conductivity pS / M	2624	-	50 - 600
Lubricity BOCLE wear scar diameter, mm	-	-	(Max) 0.85

- The fuel is straight run and additives free (zero %) not hydrotreated.
- Product meets the requirements of AFQRJOS check list Issue 20 Expert for Electrical Conductivity.
- Results Comply with the Requirements of Def-Stan 91 - 91 Issue 6 Publication Date August 2008 for Turbine fuel.
- AFQRJOS check list Issue 20 Publication Date 1 October 2008.