

# AVIATION KEROSENE - JP54

## SPECIFICATIONS

ADDITIVES					
Antioxidant in hydro processed fuel		mg/l	min 17	max 24	
Antioxidant non hydro processed fuel		mg/l		max 24	
Static dissipater first doping ASA-3		mg/l		max 1	
Stadis 450		mg/l		max 3	
COMBUSTION PROPERTIES					
Specific energy		net mj/kg	min 18.4	D4808	
Smoke point		mm	min 19	D1322	
Luminomitter number min 45 D1740					
Naphtalenes		% vol	max 3	D1840	
PROPERTY	UNIT	MIN-MAX RESULT	TEST-IP	METHOD ASTM	
Composition					
Total Acidity	mg	KOH/g	max 0.01	354	D3242
Aromatics		% vol	max 22.0	158	D1318
Sulphur, Total		% mass	max 0.30	107	D1266/2622
Sulphur, Mercaptan		% mas	max 0.003	342	D3227
Doctor, test				30	D4952
VOLATILITY					
Initial Boiling Point		Centigrade	max Report	123	D96
10% vol at C				240	
End Pont		Centigrade	max 300		
Recovered ridicules		% vol,	max 1.5		
Loss		% vol	max 1.5		
Flesh Point		Centigrade	max 42	170/303	D56/3828
Density at 15 C		Kg/m2	Min/max 776/840	180/385	D1298
LOW TEMPERATURE PROPERTIES					
Freezing Point		Centigrade	max -40	15	D2256
CORROSION					
Corrosion, copper (2hrs at 100C)			max 1	154	D130
Corrosion, silver (4hrs at 50C)			max 1	227	
STABILITY					
Thermal stability control			Temp. 280C	323	
Filter pressure, different, mm.Hg			max 25		
Tube deposit rating (visual)			max <3		
CONTAMINATIONS					
Existent Gum mg/100ml			max 7	131	D361
Water reaction, interface rating			max 16	258	D1084
Fuel with static dissipater additive			max 75		D3648
Fuel without static dissipater additive			max 85		
CONDUCTIVITY					
Electrical conductivity p3/m Report			Report		