



# SPECIFICATIONS FOR RUSSIAN

## JP A-1



PROPERTY	UNIT	RESULT	TEST-IP	METHOD	ASTM
<b>ADDITIVES</b>					
Antioxidant in hydro processed fuel	mg/l	min	17		
	mg/l	max	24		
Antioxidant non hydro processed fuel	mg/l	min	24		
Static dissipater first doping ASA-3	mg/l	min	1		
Stadis 450	mg/l	min	3		
<b>COMBUSTION PROPERTIES</b>					
Specific energy, net	mj/lkg	min	18.4		D4808
Smoke point	mm	min	19		D1322
Luminomitter number		min	45		D1740
Naphthalenes	% vol	max	3		D1840
<b>COMPOSITION</b>					
Total Acidity	mg KOH/g	max	0.01	354	D3242
Aromatics	% vol	max	22	158	D1318
Sulphur, Total	% mass	max	0.30	107	D1266/2622
Sulphur, Mercaptan	% mass	max	0.003	342	D3227
Doctor, test				30	D4952
<b>VOLATILITY</b>					
Initial Boiling Point	Centigrade	max	Report 240		D96
10% vol at C			Report		
20% vol at C			Report		
50% vol at C			Report	170/303	D56/3828
80% vol at C	Centigrade	max	300	180/385	D1298
End point	e	max	1.5		
Recovered residuals	% vol	max	1.5		
Loss	% vol	max	42		
Flash Point	Centigrade	min/max	776/840		
Density at 15 C	kg/m <sup>2</sup>				
<b>LOW TEMPERATURE</b>					
Freezing Point	Centigrade	Max	-40	15	D2256
<b>CORROSION</b>					
Corrosion, copper (2hrs at 100C)		max	1	154	D130
Corrosion, silver (4hrs at 50C)		max	1	227	
<b>STABILITY</b>					
Thermal stability control, Temp. 280C					
Filter pressure, differential mm.Hg		max	323		
Tube deposit rating (visual)		max	25	3	
<b>CONTAMINATIONS</b>					
Existent Gum	mg/100ml	max	7	131	D361
Water reaction, interface rating		max	16	258	D1084
Fuel with static dissipater additives		min	75		D3648
Fuel without static dissipater additive		min	85		