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JP54 Jet Fuel Colonial Grade 54

JP 54 is a term "originated" by the largest allocation holder of all times, "JP MORGAN". Over 60 years ago a "secret" major stake was invested into the USSR into distillate fuels. Birth of JP aviation. This fact is unpublished because of the implications. Now, enter other major corporations into the distillate industry such as Exxon, Shell, Chevron and the Name "JP" would be like Pepsi calling their soda a Coke. Therefore the birth of JET and JET "A". The variance of the Jet Fuel blends is mainly "Freezing Points". Hence a MIG or F18 must have higher freezing point for higher altitude flights, which is an advanced JP called "8".

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 mi/kg min 18.4 D 4808
Smoke point mm min 19 D 1322
Lumininometer number min 45 D 1740
Naphtales % vol max 3 D 1840
Propriety unit min – max result test – ip method ASTM

COMPOSITION

Total acidity mg KOH /g max 0.01 354 D 3242
Aromatic % vol max 22.0 158 D 1318
Sulphur, total % mass max 0.30 107 D 1266/2622
Sulphur mercaptan % mass max 0.003 342 D 3227
Doctor test 30 D 4952

VOLATILITY

Initial boiling point centigrade max report 123 D 96
10% vol at C 240
20% vol at C report
50% vol at C report
80% vol at C report
End point centigrade max 42 170/303 D 56 / 3828
Density at 15 C kg m³ min /max 776/840 180/385 D 1298

LOW TEMPERATURES PROPERTIES

freezing point centigrade max – 40 15 D 1298
corrosion copper (2hrs at 100 C)
Corrosion silver (4 hrs at 500C) max 1 227

STABILITY

Thermal stability control temp. 280C 323
Filter pressure, differential mm. Hg max 25
Tube deposit rating (visual) max <3

CONTAMINATION

Existent gum mg/100 ml max 7 131 D 361
Water reaction, interface rating max 16 258 D 1084
Fuel whit static dissipater additives min 75 D 3648
Fuel without static dissipater additives min 85