ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

ACID NUMBER

D3242
Report result to the nearest 0.001 mg KOH/g
Acidity

BOCLE (LUBRICITY)

D5001
Report result to nearest 0.01 mm
Fully-automatic WEAR SCAR DIAMETER (WSD)
Semi-automatic WEAR SCAN DIAMETER (WSD)
### BP DISTRIBUTION BY GC

**D2887**

(Report to nearest 0.5°C)  NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

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ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

COLOR

D6045 (D156)
Color

D6045(D1500)
COLOR

COMBUSTION - NET HEAT OF

D3338
Procedure B (corrected for sulfur content) Report Net Heat to nearest 0.001 MJ/Kg
NET HEAT

D4529
Report Net Heat to nearest 0.001 MJ/Kg
NET HEAT

D4809
Procedure B (corrected for sulfur content) Report Net Heat to the nearest 0.002 MJ/Kg
NET HEAT

COPPER STRIP

D130
Report results at 100°C for 2 hours
CLASSIFICATION
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

DENSITY

D1298 @ 15°C
Report result to nearest 0.0001 kg/L
Density

D4052 @ 15°C
Report result to nearest 0.0001 g/mL
Density
DISTILLATION

D86 AUTOMATIC
Report result corrected to 760 mm Hg. For Automatic: Report to nearest 0.1°C. Report ALL results as % RECOVERED.
NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

IBP

5%

10%

20%

30%

40%

50%

60%

70%

80%

90%

95%

FBP

LOSS

RESIDUE
### ASTM Aviation (Turbine) Jet Fuel

Sample ID: JF1303

**DISTILLATION**

**D86 MANUAL**  
*Report result corrected to 760 mm Hg. For Manual: Report to the nearest 0.5°C. Report ALL results as % RECOVERED. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.*

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**FBP**

**LOSS**

**RESIDUE**
DISTILLATION

D7345 - Micro Distillation
Report all results as % Recovered. Report all volumetric percents to the nearest 0.1% (v/v). Report all temperature readings to the nearest 0.1°C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

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ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

FLASH POINT

D3828
Report results as corrected to sea level. Report result to nearest 0.5°C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.
Flash Point

D56
Report results as corrected to sea level. Report result to nearest 0.5°C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.
Flash Point

Check the type of equipment used to report D56 test results:

- Manual Equipment with gas ignitor
- Manual Equipment with electric ignitor
- Semi-Automatic Equipment with gas ignitor
- Semi-Automatic Equipment with electric ignitor
- Automatic Equipment with gas ignitor
- Automatic Equipment with electric ignitor
### ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

#### FREEZE POINT

**Instruction and questions for Freeze Point**

Please have timer available so that time to Crystallization Temp & Freeze Point can be measured & recorded. Measure the temperature of the sample and coolant before starting test.

- Temperature of sample at start of test
- Coolant used (Solvent and Solid CO2; Nitrogen; Mechanical Refrigerant)
- Temperature of Coolant at start of the test
- Moisture Collar Type (Nitrogen Purge; Dehydrating Agent; None)
- Stirring (Manual; Mechanical)
- Crystallization Temperature
- Time from start of test to Crystallization Temperature
- Freezing Point
- Time from start of test to Freezing Point
- Additional Lighting Used? (No; Yes; Diffused Light; Bright Light)

**D2386**

Report corrected temperature to nearest 0.5°C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

Freeze Point

**D5972**

Report corrected temperature to nearest 0.1°C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

Freeze Point
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

FREEZE POINT

D7153
Report to the nearest 0.1 °C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

Freeze Point

GUM

D381
Report result to nearest 1mg/100mL

EXISTENT GUM
### ASTM Aviation (Turbine) Jet Fuel

Sample ID: JF1303

#### HYDROCARBON TYPE

**D6379 Aromatics**

*Report ALL results to the nearest 0.1 VOLUME %*

- DAH
- MAH
- Total Aromatics

**D1319 AROMATICS**

*Report result to nearest 0.1 vol %*

- Aromatics

**D1319 OLEFINs**

*Report result to nearest 0.1 vol %*

- Olefins

**D1319 SATURATES**

*Report result to nearest 0.1 vol%*

- Saturates

#### HYDROGEN CONTENT

**D3701**

*Report result to nearest 0.01 mass %*

- Hydrogen Content

**D3343 - Hydrogen Content Estimation**

*Report the % hydrogen using Equation 1 in Section 3.1. Round result obtained to nearest 0.01 inch/pound units mass %.*

- Hydrogen Content Estimation
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

MERCAPTAN SULFUR

D3227
Report result to nearest 0.0001 mass %
Mercaptan Sulfur

NAPHTHALENES

D1840
Report result to nearest 0.01 vol %
Naphthalenes

SAYBOLT COLOR

D156
Report result as a whole number
Saybolt Color

SMOKE POINT

D1322
Report result to nearest 0.5 mm
Smoke Point
SULFUR

D1275
Indicate your result by selecting it from the drop-down box

CORROSIVE OR NON-CORROSIVE
Corrosive or Non-Corrosive

D2622
Report all results in accord with Section 12.

Sulfur

Unit of Measure
Please select mg/kg or mass%

D4294
Report result to 3 significant figures

Sulfur
(mg/kg)

Unit of Measure
Please select mg/kg or mass%

D5453
(For results >10 mg/kg report to nearest 1.0. For results < 10 mg/kg report to nearest 0.1 mg/kg)

Sulfur

D7039
(Report result rounded to nearest 0.1 mg/kg.)

Sulfur
(mg/kg)
THERMAL OXIDATION STABILITY

D3241 (260°C)
If result passes at 260°C, then OPTIONAL RETESTING at 275°C is permissable.

Heater Tube Deposit Rating
Heater Tube Deposit Rating
PRESSURE DROP

D3241 (275°C)

Heater Tube Deposit Rating
Heater Tube Deposit Rating
Pressure Drop

VISCOSITY, KINEMATIC

D445 @ -20°C
Report Kinematic Viscosity (v) (mm²/s) to 4 Significant Figures. PLEASE DO NOT REPORT DYNAMIC VISCOSITY. NOTE: BE SURE TO ENTER DATA IN °C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

Viscosity Kinematic

D7042@ - 20°C
Report result at -20°C (mm²/s) Report result to 4 significant figures. Check which instrument (ONLY 1) mode was used during testing. NOTE: BE SURE TO ENTER DATA IN °C. NOTE: DATA NOT REPORTED IN °C WILL BE MADE OUTLIERS.

Kinematic Viscosity

Precise

Standard

Fast

UltraFast
WATER SEPARATION

D3948
Report Field Samples: MSEP - A Rating (XXX)

MSEP-A Rating
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

Water Separation - Supplemental Info

Date sample was received

Date

Storage conditions (environment) of sample

Controlled

Un-controlled

Test date

Test date

Test conditions

Laboratory (Temperature & Humidity Controlled)

Other

Ambient temperature of test conditions

°C

°F

Temperature of test sample at time of test

°C
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

Water Separation - Supplemental Info
°F

Latest date of calibration of Microseparometer

Latest Calibration date

Calibration Agency
Emcee
Med Lab
Haneflex
In-House
Other

Source of Six Placks - test expendables
Emcee
Med Lab
Haneflex
Other

Storage conditions of Six Packs - test expendables
Laboratory
ASTM Aviation (Turbine) Jet Fuel
Sample ID: JF1303

Water Separation - Supplemental Info
Other

Experience of Tester
Less than one year
One to three years
More than three years

Does Tester have an operators manual for the Microseparometer?
Operators manual?

GENERAL COMMENTS

General Comments
General Comments