



FUEL REPORT

Sample Rating Trend

NORMAL



Area
[123965106]

Machine Id
C-FTXF

Component
1 Jet Fuel

Fluid
JET FUEL Type A (--- GAL)



DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

Wear

{not applicable}

Contamination

There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible. The fuel phase was tested for microbes, as there was no separate water phase present in the sample. The MicrobMonitor2 test kit was used to test for microbiological contamination in the sample. There is no indication of any contamination in the jet fuel.

Fluid Condition

All laboratory tests indicate that this sample appears to be Jet Fuel Type A.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0649440 | --- | --- |
| Sample Date | Client Info | | 06 Dec 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | | Client Info | N/A | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

PHYSICAL PROPERTIES

| | method | limit/base | current | history1 | history2 |
|----------------------------|-------------|----------------|--------------|-------------|----------|
| Specific Gravity | ASTM D1298* | | 0.811 | --- | --- |
| Fuel Color | text | Visual Screen* | Clear | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | <8.0 | 1.4 | --- |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 38 | 53.4 | --- |
| Pour Point | °C | ASTM D97* | -45 | -63 | --- |

SULFUR CONTENT

| | method | limit/base | current | history1 | history2 |
|--------|--------|---------------|---------|------------|----------|
| Sulfur | ppm | ASTM D5185(m) | <3000 | 545 | --- |

DISTILLATION

| | method | limit/base | current | history1 | history2 |
|------------------------|--------|-------------|---------|------------|----------|
| Initial Boiling Point | °C | ASTM D2887* | | 162 | --- |
| 5% Distillation Point | °C | ASTM D2887* | | 178 | --- |
| 10% Distill Point | °C | ASTM D2887* | 205 | 182 | --- |
| 15% Distillation Point | °C | ASTM D2887* | | 186 | --- |
| 20% Distill Point | °C | ASTM D2887* | | 190 | --- |
| 30% Distill Point | °C | ASTM D2887* | | 197 | --- |
| 40% Distill Point | °C | ASTM D2887* | | 205 | --- |
| 50% Distill Point | °C | ASTM D2887* | | 213 | --- |
| 60% Distill Point | °C | ASTM D2887* | | 220 | --- |
| 70% Distill Point | °C | ASTM D2887* | | 228 | --- |
| 80% Distill Point | °C | ASTM D2887* | | 239 | --- |
| 85% Distillation Point | °C | ASTM D2887* | | 247 | --- |
| 90% Distill Point | °C | ASTM D2887* | | 254 | --- |
| 95% Distillation Point | °C | ASTM D2887* | | 268 | --- |
| Final Boiling Point | °C | ASTM D2887* | 300 | 283 | --- |

IGNITION QUALITY

| | method | limit/base | current | history1 | history2 |
|--------------|--------|-------------|---------|-----------|----------|
| API Gravity | | ASTM D1298* | 44 | 42 | --- |
| Cetane Index | | ASTM D4737* | <40.0 | 46 | --- |

CONTAMINANTS

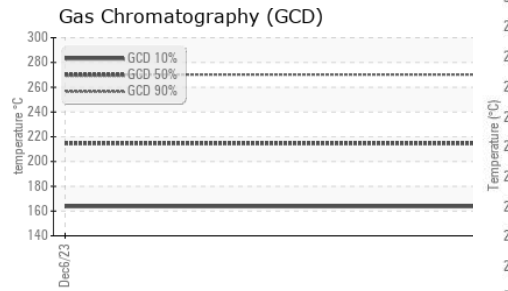
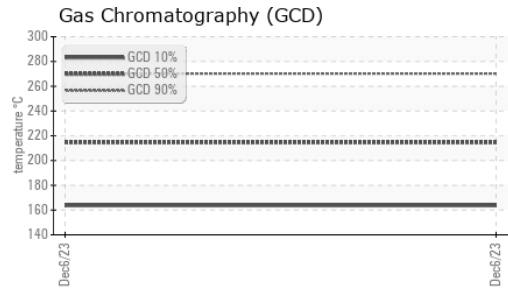
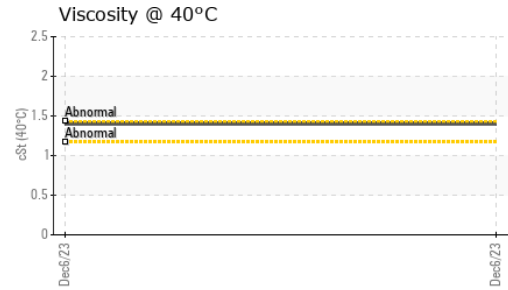
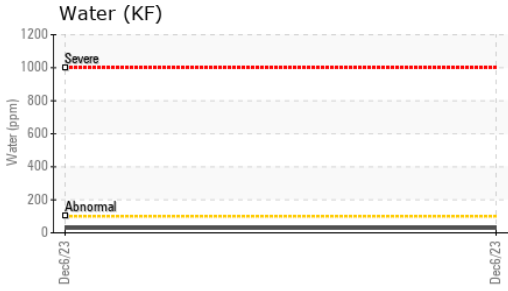
| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|---------|--------------|----------|
| Silicon | ppm | ASTM D5185(m) | <1.0 | 0 | --- |
| Sodium | ppm | ASTM D5185(m) | <0.1 | 0 | --- |
| Potassium | ppm | ASTM D5185(m) | <0.1 | <1 | --- |
| Water | % | ASTM D6304* | <0.05 | 0.003 | --- |
| ppm Water | ppm | ASTM D6304* | <500 | 29 | --- |

MICROBIAL

| | method | limit/base | current | history1 | history2 |
|----------|--------|-------------|----------|----------|----------|
| Microbes | CFU/L | ASTM D6469* | >=100000 | 0 | --- |



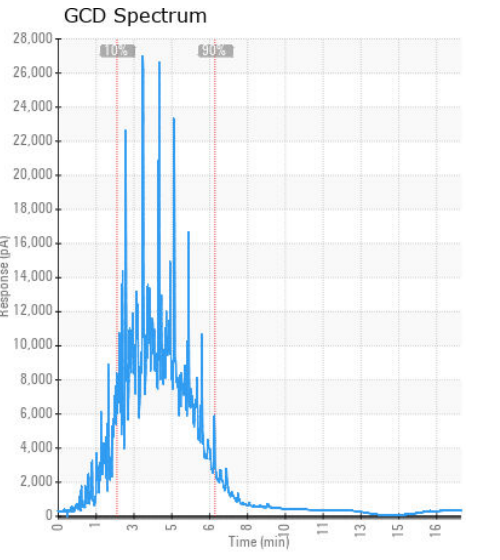
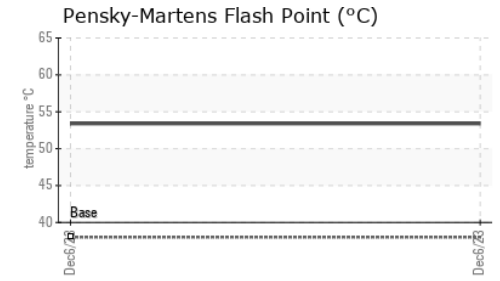
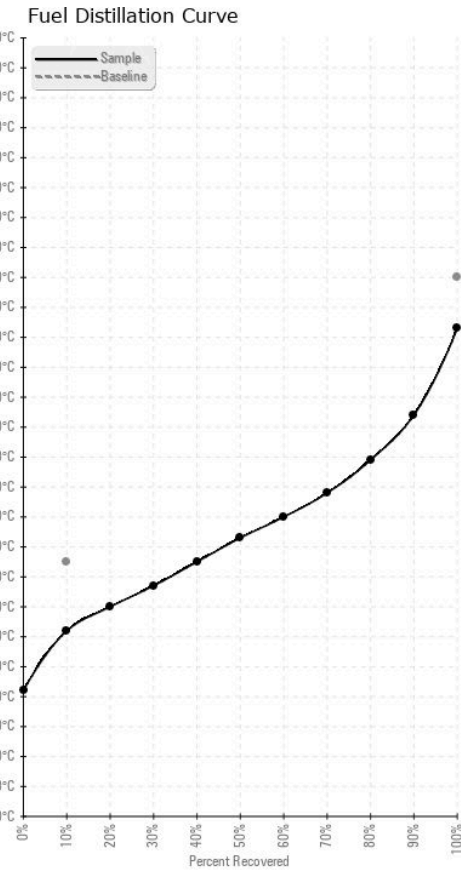
FUEL REPORT



| HEAVY METALS | | method | limit/base | current | history1 | history2 |
|--------------|-----|---------------|------------|---------|----------|----------|
| Aluminum | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Lead | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Iron | ppm | ASTM D5185(m) | <0.1 | <1 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | <0.1 | <1 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |

| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
| Color | | | | | no image | no image |
| Bottom | | | | | no image | no image |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0649440 **Received** : 07 Dec 2023
Lab Number : 02601731 **Diagnosed** : 12 Dec 2023
Unique Number : 5694816 **Diagnostician** : Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.