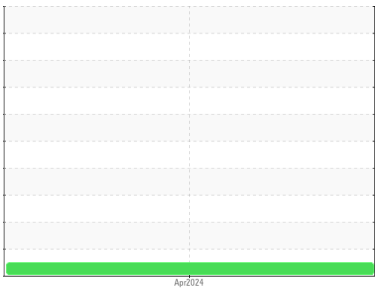
# FUEL REPORT

Sample Rating Trend




NORMAL

Area
**(C-GMXB)**
Machine Id
**[C-GMXB] 11624**
Component
**Right 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.

**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 | | **WC0899305** | --- | --- |
| Sample Date | | Client Info | | **02 Apr 2024** | --- | --- |
| 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* | | **0.802** | --- | --- |
| Fuel Color | text | Visual Screen* | | **Clear** | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | <8.0 | **1.3** | --- | --- |
| Pour Point | °C | ASTM D97* | -45 | **-57** | --- | --- |

| SULFUR CONTENT | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Sulfur | ppm | ASTM D5185(m) | <3000 | **437** | --- | --- |

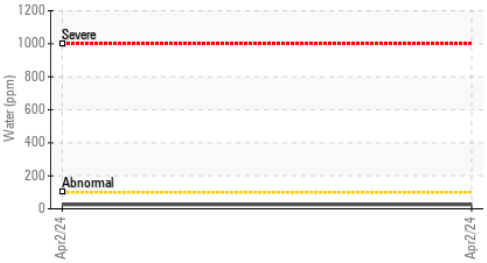
| DISTILLATION | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Initial Boiling Point | °C | ASTM D2887* | | **153** | --- | --- |
| 5% Distillation Point | °C | ASTM D2887* | | **169** | --- | --- |
| 10% Distill Point | °C | ASTM D2887* | 205 | **174** | --- | --- |
| 15% Distillation Point | °C | ASTM D2887* | | **178** | --- | --- |
| 20% Distill Point | °C | ASTM D2887* | | **182** | --- | --- |
| 30% Distill Point | °C | ASTM D2887* | | **188** | --- | --- |
| 40% Distill Point | °C | ASTM D2887* | | **195** | --- | --- |
| 50% Distill Point | °C | ASTM D2887* | | **202** | --- | --- |
| 60% Distill Point | °C | ASTM D2887* | | **209** | --- | --- |
| 70% Distill Point | °C | ASTM D2887* | | **216** | --- | --- |
| 80% Distill Point | °C | ASTM D2887* | | **226** | --- | --- |
| 85% Distillation Point | °C | ASTM D2887* | | **234** | --- | --- |
| 90% Distill Point | °C | ASTM D2887* | | **242** | --- | --- |
| 95% Distillation Point | °C | ASTM D2887* | | **256** | --- | --- |
| Final Boiling Point | °C | ASTM D2887* | 300 | **276** | --- | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Silicon | ppm | ASTM D5185(m) | <1.0 | **0** | --- | --- |
| Sodium | ppm | ASTM D5185(m) | <0.1 | **<1** | --- | --- |
| Potassium | ppm | ASTM D5185(m) | <0.1 | **0** | --- | --- |
| Water | % | ASTM D6304* | <0.05 | **0.003** | --- | --- |
| ppm Water | ppm | ASTM D6304* | <500 | **26** | --- | --- |

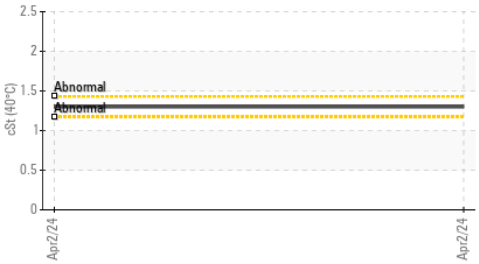
| MICROBIAL | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Microbes | CFU/L | ASTM D6469* | >=100000 | **0** | --- | --- |

# FUEL REPORT

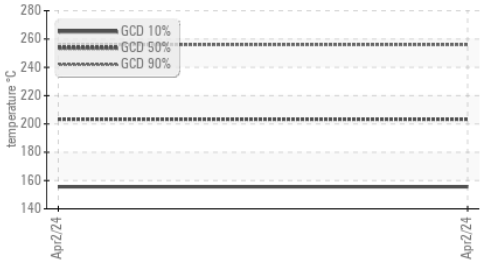
Water (KF)



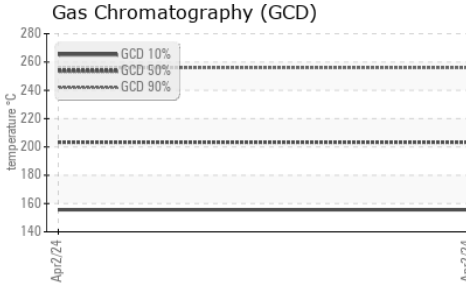

Viscosity @ 40°C



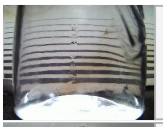

Gas Chromatography (GCD)




Gas Chromatography (GCD)

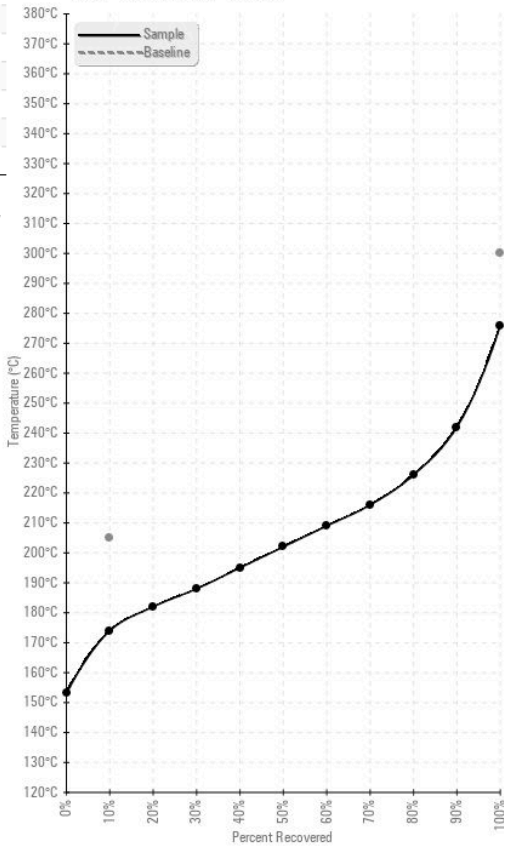



| HEAVY METALS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Aluminum | ppm | ASTM D5185(m) | <0.1 | **0** | --- | --- |
| Nickel | ppm | ASTM D5185(m) | <0.1 | **0** | --- | --- |
| Lead | ppm | ASTM D5185(m) | <0.1 | **0** | --- | --- |
| Vanadium | ppm |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

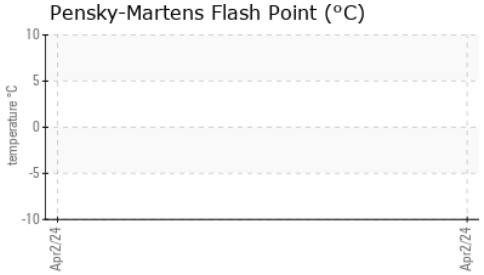
| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|
| Color | | |  | *no image* | *no image* |
| Bottom | | |  | *no image* | *no image* |

GRAPHS

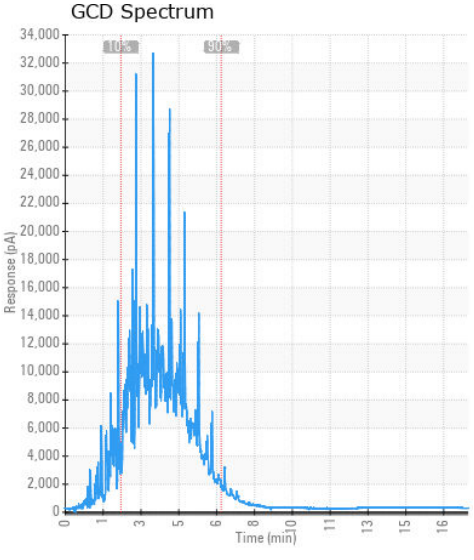
Fuel Distillation Curve




Pensky-Martens Flash Point (°C)




GCD Spectrum




ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Sample No.** : WC0899305
**Lab Number** : 02626804
**Unique Number** : 5759936
**Test Package** : FUEL

**Received** : 04 Apr 2024
**Tested** : 09 Apr 2024
**Diagnosed** : 09 Apr 2024 - Kevin Marson

*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.*

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