



FUEL REPORT

| | |
|----------------|---------------|
| CORROSION | NORMAL |
| CONTAMINANTS | NORMAL |
| FUEL CONDITION | NORMAL |

Area

[ORD0113699]

Machine Id

DAY TANK #8

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | WC0942490 | --- | --- |
| Sample Date | | Client Info | | 03 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

CORROSION

{not applicable}

| | | | | | | |
|----------|-----|---------------|------|--------------|-----|-----|
| 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 | --- | --- |

CONTAMINANTS

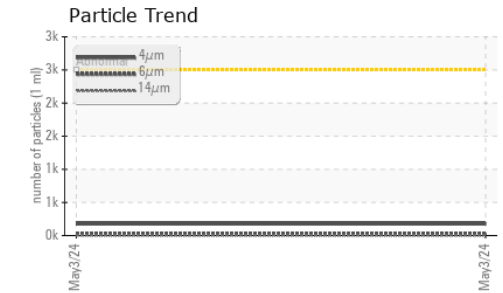
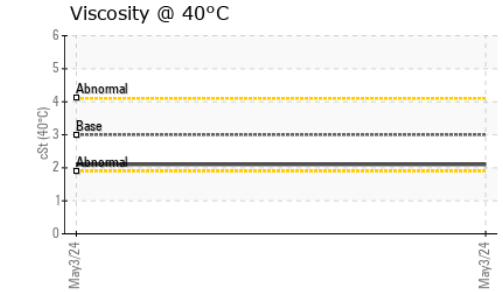
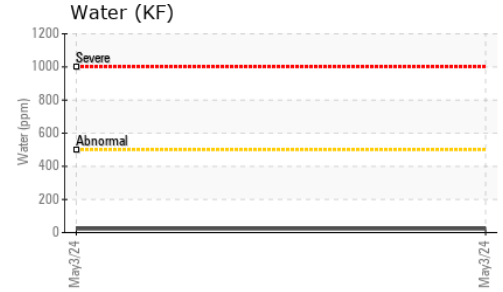
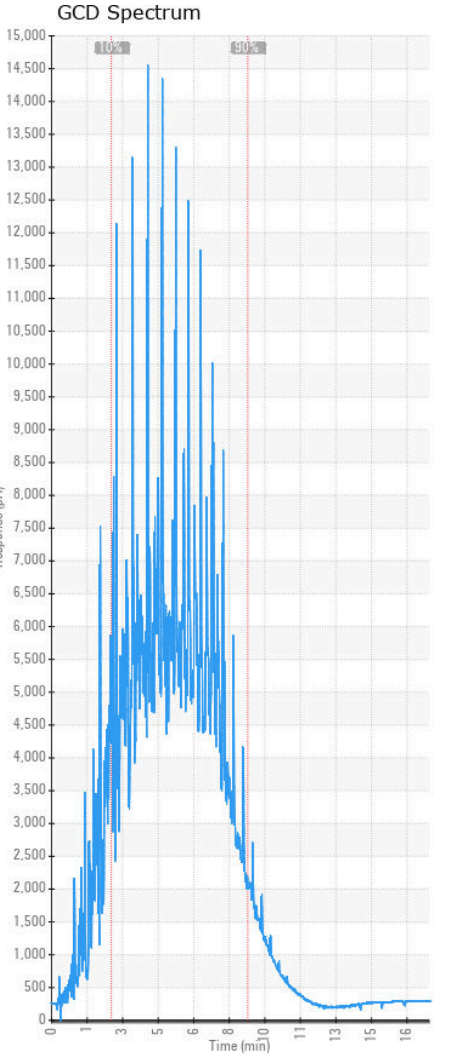
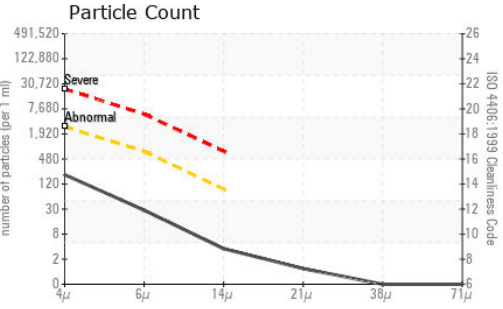
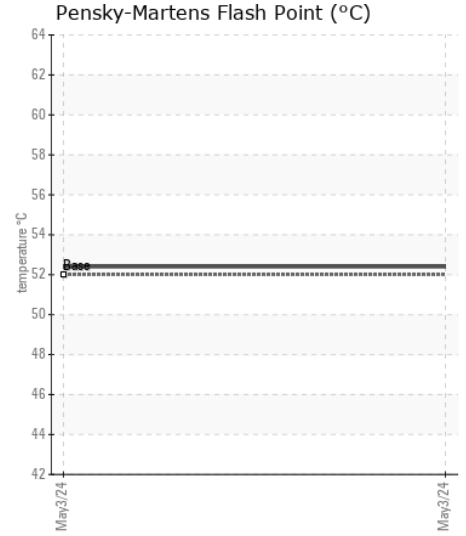
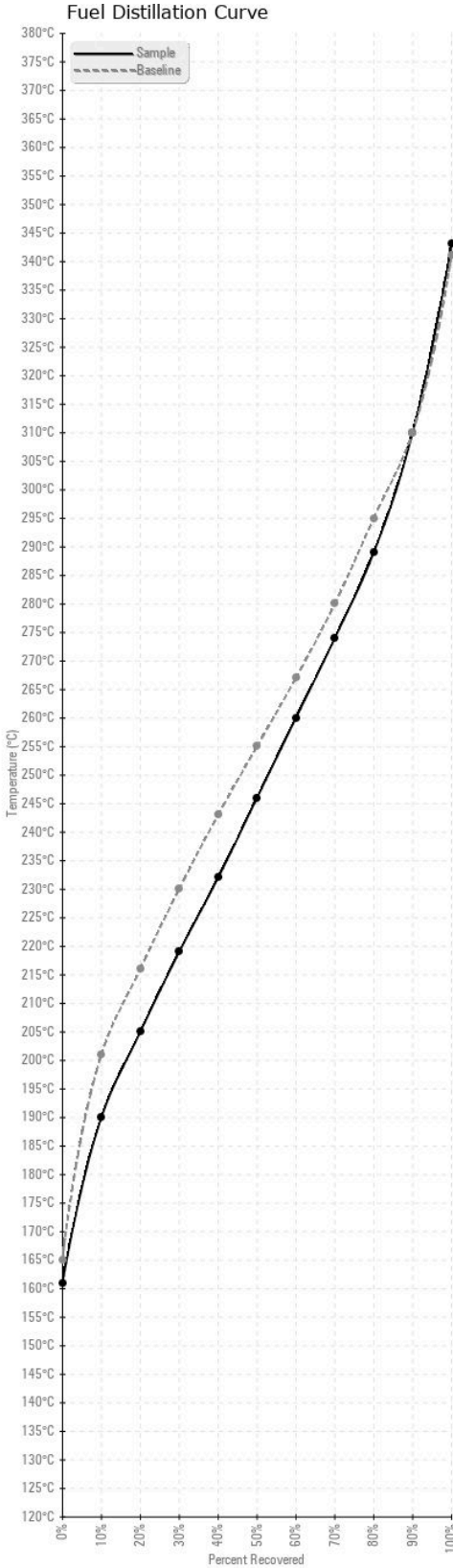
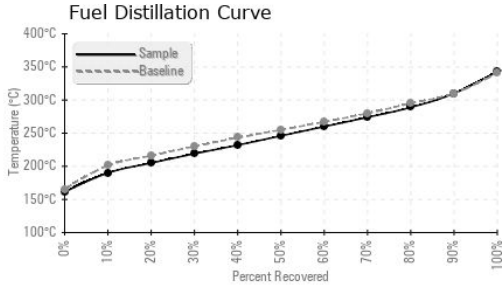
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. There is no indication of any contamination in the diesel fuel.

| | | | | | | |
|-----------------|-----|---------------|-----------|----------------|-----|-----|
| 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 | 0.002 | --- | --- |
| ppm Water | ppm | ASTM D6304* | <500 | 23 | --- | --- |
| Particles >4µm | | ASTM D7647 | >2500 | 177 | --- | --- |
| Particles >6µm | | ASTM D7647 | >640 | 25 | --- | --- |
| Particles >14µm | | ASTM D7647 | >80 | 3 | --- | --- |
| Particles >21µm | | ASTM D7647 | >20 | 1 | --- | --- |
| Particles >38µm | | ASTM D7647 | >4 | 0 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | 15/12/9 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | <0.1 | 0 | --- | --- |

FUEL CONDITION

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).

| | | | | | | |
|----------------------------|------|----------------|--------|--------------|-----|-----|
| Specific Gravity | | ASTM D1298* | 0.839 | 0.824 | --- | --- |
| Fuel Color | text | Visual Screen* | Yellow | Pink | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 3.0 | 2.1 | --- | --- |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 52 | 52.4 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 10 | 9 | --- | --- |
| Initial Boiling Point | °C | ASTM D2887* | 165 | 161 | --- | --- |
| 10% Distill Point | °C | ASTM D2887* | 201 | 190 | --- | --- |
| 20% Distill Point | °C | ASTM D2887* | 216 | 205 | --- | --- |
| 30% Distill Point | °C | ASTM D2887* | 230 | 219 | --- | --- |
| 40% Distill Point | °C | ASTM D2887* | 243 | 232 | --- | --- |
| 50% Distill Point | °C | ASTM D2887* | 255 | 246 | --- | --- |
| 60% Distill Point | °C | ASTM D2887* | 267 | 260 | --- | --- |
| 70% Distill Point | °C | ASTM D2887* | 280 | 274 | --- | --- |
| 80% Distill Point | °C | ASTM D2887* | 295 | 289 | --- | --- |
| 90% Distill Point | °C | ASTM D2887* | 310 | 310 | --- | --- |
| Final Boiling Point | °C | ASTM D2887* | 341 | 343 | --- | --- |
| API Gravity | | ASTM D1298* | 37.7 | 40 | --- | --- |
| Cetane Index | | ASTM D4737* | <40.0 | 51 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0942490 **Received** : 16 May 2024
Lab Number : **02636232** **Tested** : 21 May 2024
Unique Number : 5785394 **Diagnosed** : 21 May 2024 - Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

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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.