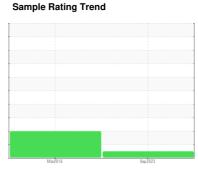


FUEL REPORT

FEDEX [149650] 79832394

Component **Diesel Fuel**

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.

Corrosion

{not applicable}

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.

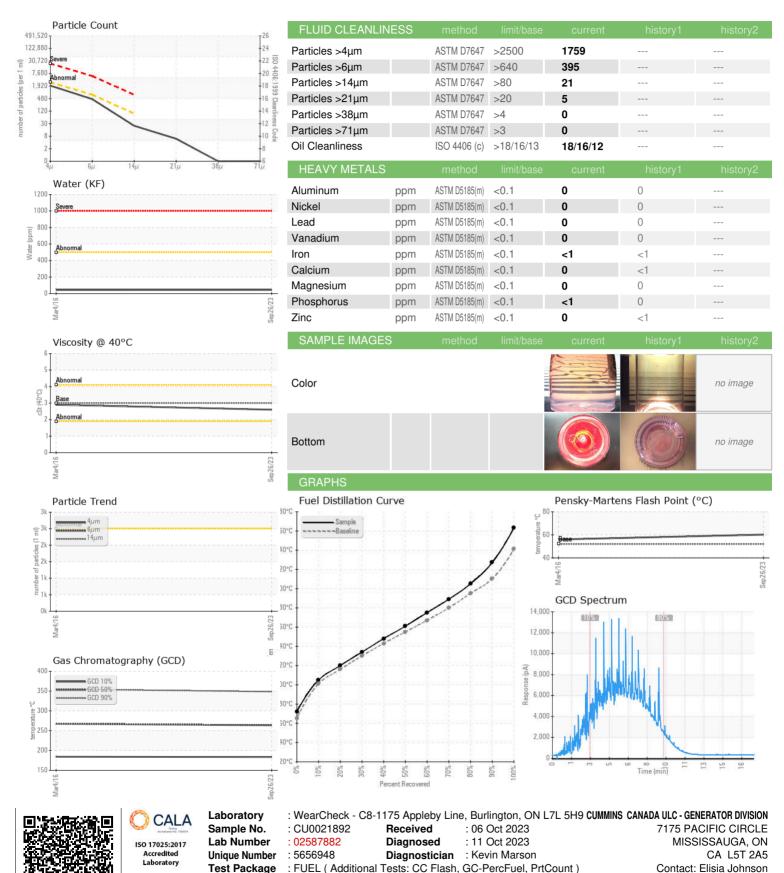
Fuel Condition

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).

| R) (GAL) | | | Mar2016 | Sep 2023 | | |
|----------------------------|--------|----------------|------------|-------------|-------------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | CU0021892 | CU0011641 | |
| Sample Date | | Client Info | | 26 Sep 2023 | 04 Mar 2016 | |
| Machine Age | hrs | Client Info | | 216 | 4 | |
| Sample Status | | | | NORMAL | ABNORMAL | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history2 |
| Specific Gravity | | ASTM D1298* | 0.839 | 0.841 | 0.847 | |
| Fuel Color | text | Visual Screen* | Yllow | Pink | Pink | |
| Visc @ 40°C | cSt | ASTM D7279(m) | 3.0 | 2.6 | 2.9 | |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 52 | 60.2 | 56 | |
| SULFUR CONTE | NΤ | method | limit/base | current | history1 | history2 |
| Sulfur | ppm | ASTM D5185(m) | 10 | 8 | 4 | |
| DISTILLATION | | method | limit/base | current | history1 | history2 |
| Initial Boiling Point | °C | ASTM D2887* | 165 | 172 | 162 | |
| 5% Distillation Point | °C | ASTM D2887* | | 195 | 193 | |
| 10% Distill Point | °C | ASTM D2887* | 201 | 205 | 206 | |
| 15% Distillation Point | °C | ASTM D2887* | | 213 | 216 | |
| 20% Distill Point | °C | ASTM D2887* | 216 | 220 | 224 | |
| 30% Distill Point | °C | ASTM D2887* | 230 | 234 | 239 | |
| 40% Distill Point | °C | ASTM D2887* | 243 | 248 | 253 | |
| 50% Distill Point | °C | ASTM D2887* | 255 | 261 | 266 | |
| 60% Distill Point | °C | ASTM D2887* | 267 | 275 | 279 | |
| 70% Distill Point | °C | ASTM D2887* | 280 | 289 | 293 | |
| 80% Distill Point | °C | ASTM D2887* | 295 | 305 | 308 | |
| 85% Distillation Point | °C | ASTM D2887* | | 316 | 316 | |
| 90% Distill Point | °C | ASTM D2887* | 310 | 327 | 327 | |
| 95% Distillation Point | °C | ASTM D2887* | | 344 | 342 | |
| Final Boiling Point | °C | ASTM D2887* | 341 | 363 | 351 | |
| Distillation Residue | % | ASTM D86(e)* | 3.0 | | 1.4 | |
| Distillation Loss | % | ASTM D86(e)* | 3.0 | | 0.5 | |
| IGNITION QUALIT | ГΥ | method | limit/base | current | history1 | history2 |
| API Gravity | | ASTM D1298* | 37.7 | 36 | 35.6 | |
| Cetane Index | | ASTM D4737* | <40.0 | 48 | 47.9 | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | <1.0 | 0 | 0 | |
| Sodium | ppm | ASTM D5185(m) | <0.1 | 0 | 0 | |
| Potassium | ppm | ASTM D5185(m) | <0.1 | <1 | 0 | |
| Water | % | ASTM D6304* | < 0.05 | 0.004 | 0.004 | |
| ppm Water | ppm | ASTM D6304* | <500 | 44.5 | 43.6 | |



FUEL REPORT



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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