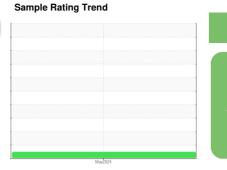


FUEL REPORT

CERTAS HOME & AUTO 25301242

Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR





Recommendation

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

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.

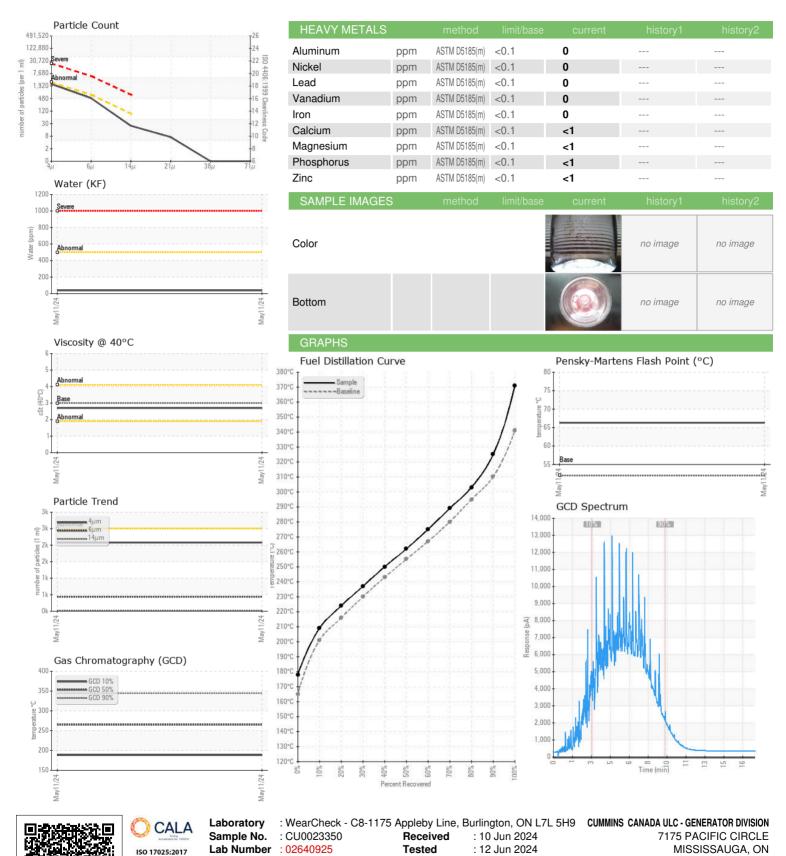
Fuel Condition

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) | | | | | | |
|----------------------------|--------|----------------|------------|-------------|----------|----------|
| SAMPLE INFORM | 1ATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | CU0023350 | | |
| Sample Date | | Client Info | | 11 May 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Sample Status | | | | NORMAL | | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history2 |
| Specific Gravity | | ASTM D1298* | 0.839 | 0.845 | | |
| Fuel Color | text | Visual Screen* | Yllow | Pink | | |
| Visc @ 40°C | cSt | ASTM D7279(m) | 3.0 | 2.7 | | |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 52 | 66.3 | | |
| SULFUR CONTER | VT | method | limit/base | current | history1 | history2 |
| Sulfur | ppm | ASTM D5185(m) | 10 | 7 | | |
| DISTILLATION | | method | limit/base | current | history1 | history2 |
| Initial Boiling Point | °C | ASTM D2887* | 165 | 178 | | |
| 5% Distillation Point | °C | ASTM D2887* | | 201 | | |
| 10% Distill Point | °C | ASTM D2887* | 201 | 209 | | |
| 15% Distillation Point | °C | ASTM D2887* | | 216 | | |
| 20% Distill Point | °C | ASTM D2887* | 216 | 224 | | |
| 30% Distill Point | °C | ASTM D2887* | 230 | 237 | | |
| 40% Distill Point | °C | ASTM D2887* | 243 | 250 | | |
| 50% Distill Point | °C | ASTM D2887* | 255 | 262 | | |
| 60% Distill Point | °C | ASTM D2887* | 267 | 275 | | |
| 70% Distill Point | °C | ASTM D2887* | 280 | 289 | | |
| 80% Distill Point | °C | ASTM D2887* | 295 | 303 | | |
| 85% Distillation Point | °C | ASTM D2887* | 040 | 314 | | |
| 90% Distill Point | °C | ASTM D2887* | 310 | 325 | | |
| 95% Distillation Point | °C | ASTM D2887* | 0.41 | 343 | | |
| Final Boiling Point | | ASTM D2887* | 341 | 371 | | |
| IGNITION QUALIT | ΙΥ | method | limit/base | current | history1 | history2 |
| API Gravity | | ASTM D1298* | 37.7 | 35 | | |
| Cetane Index | | ASTM D4737* | <40.0 | 47 | | |
| 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 | 38 | | |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4μm | | ASTM D7647 | >2500 | 2078 | | |
| Particles >6μm | | ASTM D7647 | >640 | 438 | | |
| Particles >14µm | | ASTM D7647 | >80 | 21 | | |
| Particles >21µm | | ASTM D7647 | >20 | 6 | | |
| Particles >38µm | | ASTM D7647 | >4 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | 18/16/12 | | |



FUEL REPORT



Diagnosed

Test Package : FUEL (Additional Tests: CC Flash, PrtCount)

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.

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: 12 Jun 2024 - Kevin Marson

Unique Number : 5798464

Accredited

Laboratory

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