

FUEL REPORT

Sample Rating Trend

ISO

Machine Id

Kioti CK2510 CLFN (S/N TL9300629)

2 Diesel Fuel

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

DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We advise that you filter this fluid before use. We recommend an early resample to monitor this condition.

Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the fuel. The water content is negligible.

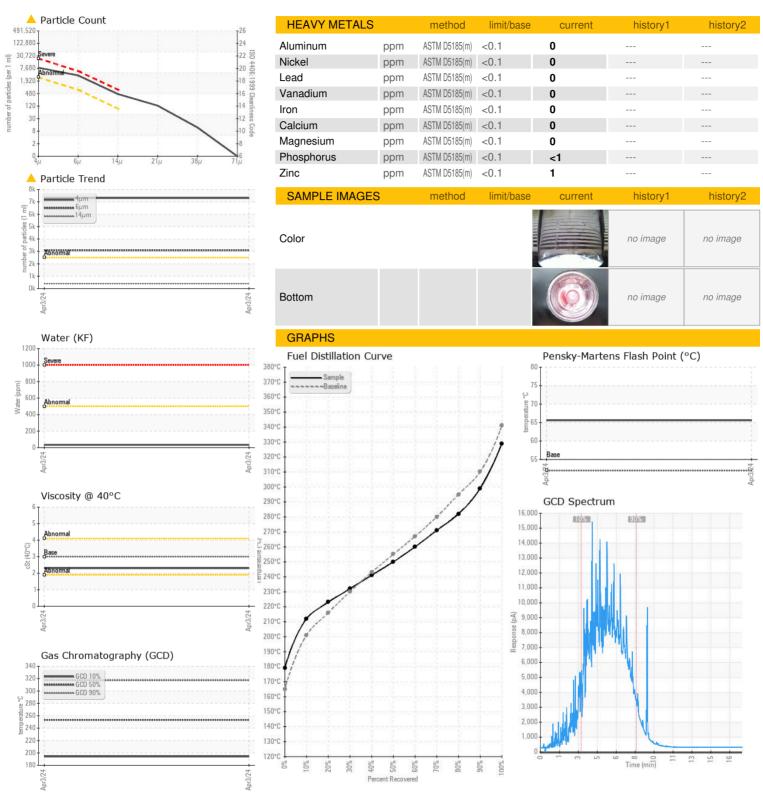
Fuel Condition

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. 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) | | <u> </u> | | Apr2024 | | |
|----------------------------|--------|----------------|------------|----------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | KT0001052 | | |
| Sample Date | | Client Info | | 03 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 937 | | |
| Sample Status | | | | ABNORMAL | | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history2 |
| Specific Gravity | | ASTM D1298* | 0.839 | 0.853 | | |
| Fuel Color | text | Visual Screen* | Yllow | Yllow | | |
| Visc @ 40°C | cSt | ASTM D7279(m) | 3.0 | 2.3 | | |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 52 | 65.6 | | |
| SULFUR CONTE | NT | method | limit/base | current | history1 | history2 |
| Sulfur | ppm | ASTM D5185(m) | 10 | 8 | | |
| DISTILLATION | | method | limit/base | current | history1 | history2 |
| Initial Boiling Point | °C | ASTM D2887* | 165 | 179 | | |
| 5% Distillation Point | °C | ASTM D2887* | | 205 | | |
| 10% Distill Point | °C | ASTM D2887* | 201 | 212 | | |
| 15% Distillation Point | °C | ASTM D2887* | | 218 | | |
| 20% Distill Point | °C | ASTM D2887* | 216 | 223 | | |
| 30% Distill Point | °C | ASTM D2887* | 230 | 232 | | |
| 40% Distill Point | °C | ASTM D2887* | 243 | 241 | | |
| 50% Distill Point | °C | ASTM D2887* | 255 | 250 | | |
| 60% Distill Point | °C | ASTM D2887* | 267 | 260 | | |
| 70% Distill Point | °C | ASTM D2887* | 280 | 271 | | |
| 80% Distill Point | °C | ASTM D2887* | 295 | 282 | | |
| 85% Distillation Point | °C | ASTM D2887* | | 290 | | |
| 90% Distill Point | °C | ASTM D2887* | 310 | 299 | | |
| 95% Distillation Point | °C | ASTM D2887* | | 314 | | |
| Final Boiling Point | °C | ASTM D2887* | 341 | 329 | | |
| IGNITION QUALIT | ΓΥ | method | limit/base | current | history1 | history2 |
| API Gravity | | ASTM D1298* | 37.7 | 34 | | |
| Cetane Index | | ASTM D4737* | <40.0 | 41 | | |
| 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 | 33 | | |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >2500 | ▲ 7307 | | |
| Particles >6µm | | ASTM D7647 | >640 | <u></u> 4 3092 | | |
| Particles >14μm | | ASTM D7647 | >80 | △ 399 | | |
| Particles >21µm | | ASTM D7647 | >20 | <u> 111</u> | | |
| Particles >38μm | | ASTM D7647 | >4 | <u> </u> | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | <u> </u> | | |



FUEL REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02630019 Unique Number : 5763151

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : KT0001052 Received : 18 Apr 2024

Tested : 22 Apr 2024 Diagnosed : 22 Apr 2024 - Kevin Marson

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