

FUEL REPORT

Sample Rating Trend





| | | | | Aug2023 | | |
|----------------------------|--------|----------------|------------|-------------|----------|---------|
| SAMPLE INFORM | 1ATION | method | limit/base | current | history1 | history |
| Sample Number | | Client Info | | VPA045961 | | |
| Sample Date | | Client Info | | 11 Aug 2023 | | |
| Machine Age | hrs | Client Info | | 2609 | | |
| Sample Status | | | | NORMAL | | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history |
| Specific Gravity | | ASTM D1298* | 0.869 | 0.853 | | |
| Fuel Color | text | Visual Screen* | Clear | Yllow | | |
| Visc @ 40°C | cSt | ASTM D7279(m) | 5.74 | 3.6 | | |
| Pensky-Martens Flash Point | °C | ASTM D7215* | 73.0 | 70 | | |
| SULFUR CONTER | NT | method | limit/base | current | history1 | history |
| Sulfur | ppm | ASTM D5185(m) | 730 | 6 | | |
| DISTILLATION | | method | limit/base | current | history1 | histor |
| Initial Boiling Point | °C | ASTM D2887* | 171 | 184 | | |
| 5% Distillation Point | °C | ASTM D2887* | | 220 | | |
| 10% Distill Point | °C | ASTM D2887* | 214 | 235 | | |
| 15% Distillation Point | °C | ASTM D2887* | | 245 | | |
| 20% Distill Point | °C | ASTM D2887* | | 255 | | |
| 30% Distill Point | °C | ASTM D2887* | | 271 | | |
| 40% Distill Point | °C | ASTM D2887* | | 282 | | |
| 50% Distill Point | °C | ASTM D2887* | 323 | 293 | | |
| 60% Distill Point | °C | ASTM D2887* | | 304 | | |
| 70% Distill Point | °C | ASTM D2887* | | 316 | | |
| 80% Distill Point | °C | ASTM D2887* | | 327 | | |
| 85% Distillation Point | °C | ASTM D2887* | | 336 | | |
| 90% Distill Point | °C | ASTM D2887* | 398 | 345 | | |
| 95% Distillation Point | °C | ASTM D2887* | | 361 | | |
| Final Boiling Point | °C | ASTM D2887* | 415 | 377 | | |
| IGNITION QUALIT | ΓY | method | limit/base | current | history1 | histor |
| API Gravity | | ASTM D1298* | | 34 | | |
| Cetane Index | | ASTM D4737* | <40.0 | 51 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | histor |
| Silicon | ppm | ASTM D5185(m) | <1.0 | <1 | | |
| Sodium | ppm | ASTM D5185(m) | <0.1 | 0 | | |
| Potassium | ppm | ASTM D5185(m) | <0.1 | <1 | | |
| Water | % | ASTM D6304* | <0.05 | 0.001 | | |
| ppm Water | ppm | ASTM D6304* | <500 | 8.0 | | |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | histor |
| Particles >4µm | | ASTM D7647 | >2500 | 1425 | | |
| Particles >6µm | | ASTM D7647 | >640 | 440 | | |
| Particles >14µm | | ASTM D7647 | >80 | 77 | | |
| Particles >21µm | | ASTM D7647 | | 31 | | |
| Particles >38µm | | ASTM D7647 | >4 | 2 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |

ISO 4406 (c) >18/16/13

Area [R100-22228] Machine Id YANMAR 2123170 Component

Diesel Fuel Fluid MARINE DIESEL DMA (--- 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.

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

The condition of the fuel is suitable for further service.

Oil Cleanliness

Contact/Location: Venu Iyer - CULSUR

18/16/13



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