

Machine Id INTERNATIONAL 126057-SWV6610 Component Diesel Engine Fluid MOBIL DELVAC ELITE 15W40 (--- GAL)

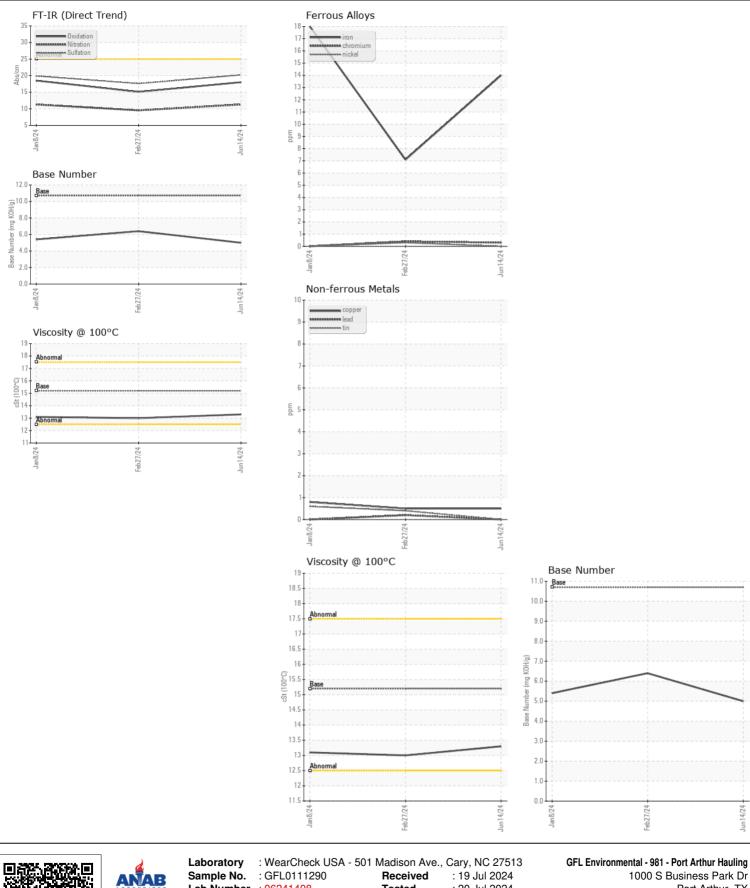
| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--|--------------------|------------------|--------------------|-------------|--------------|-------------|--------------|
| Resample at the next service interval to monitor. | Sample Number | | Client Info | | GFL0111290 | GFL0095460 | GFL0095481 |
| | Sample Date | | Client Info | | 14 Jun 2024 | 27 Feb 2024 | 08 Jan 2024 |
| | Machine Age | hrs | Client Info | | 20974 | 20425 | 20555 |
| | Oil Age | hrs | Client Info | | 419 | 0 | 500 |
| | Filter Age | hrs | Client Info | | 0 | 0 | 500 |
| | Oil Changed | | Client Info | | Changed | Changed | Changed |
| | Filter Changed | | Client Info | | Changed | Changed | Changed |
| | Sample Status | | | | NORMAL | NORMAL | NORMAL |
| WEAR All component wear rates are normal. | Iron | ppm | ASTM D5185m | >100 | 14 | 7 | 18 |
| | Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| | Nickel | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| | Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| | Aluminum | ppm | ASTM D5185m | >20 | 6 | 6 | 7 |
| | Lead | ppm | ASTM D5185m | >40 | 0 | <1 | 0 |
| | Copper | ppm | ASTM D5185m | | <1 | <1 | <1 |
| | Tin | ppm | ASTM D5185m | | 0 | <1 | <1 |
| | Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| CONTAMINATION | Silicon | | ASTM D5185m | <u>_</u> 25 | 5 | 6 | 5 |
| | Potassium | ppm ppm | ASTM D5185m | | 4 | 4 | 6 |
| There is no indication of any contamination in the oil. | Fuel | ppiii | WC Method | | 4 <1.0 | <1.0 | <1.0 |
| | Water | | WC Method | | NEG | NEG | NEG |
| | Glycol | | WC Method | >0.2 | NEG | NEG | NEG |
| | Soot % | % | *ASTM D7844 | . ? | 0.3 | 0.2 | 0.4 |
| | Nitration | Abs/cm | | >20 | 11.3 | 9.5 | 11.3 |
| | Sulfation | Abs/.1mm | *ASTM D7024 | | 20.2 | 17.6 | 19.9 |
| | Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Sand/Dirt | | *Visual | NONE | NONE | NONE | NONE |
| | | scalar | | | NORML | NORML | NORML |
| | Appearance Odor | scalar | *Visual | NORML | | NORML | |
| | Emulsified Water | scalar scalar | *Visual *Visual | NORML >0.2 | NORML NEG | NEG | NORML NEG |
| | | | | | | | |
| FLUID CONDITION | Sodium | ppm | ASTM D5185m | | 5 | 1 | 2 |
| The BN result indicates that there is suitable alkalinity remaining in the | Boron | ppm | ASTM D5185m | | 40 | 120 | 55 |
| oil. The condition of the oil is suitable for further service. | Barium | ppm | ASTM D5185m | | 0 | <1 | 8 |
| | Molybdenum | ppm | ASTM D5185m | | 119 | 136 | 110 |
| | Manganese | ppm | ASTM D5185m | | 0 | <1 | 0 |
| | Magnesium | ppm | ASTM D5185m | | 623 | 678 | 628 |
| | Calcium | ppm | ASTM D5185m | | 1247 | 1283 | 1155 |
| | Phosphorus | ppm | ASTM D5185m | | 709 | 725 | 685 |
| | Zinc | ppm | ASTM D5185m | | 844 | 853 | 760 |
| | Sulfur | ppm | ASTM D5185m | | 3082 | 3246 | 2953 |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 18.0 | 15.1 | 18.5 |
| | Base Number (BN) | mg KOH/g | ASTM D2896 | 10.7 | 5.0 | 6.4 | 5.4 |
| | Mar C 10000 | 01 | AOTH DATE | 15.0 | | 10.0 | 10.1 |

Visc @ 100°C cSt ASTM D445 15.2

13.1

13.0

13.3



Lab Number : 06241408 Tested Port Arthur, TX : 20 Jul 2024 Unique Number : 11130242 Diagnosed : 20 Jul 2024 - Wes Davis US 77640 Test Package : FLEET Contact: MICHAEL KAY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mkay@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)660-9331 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: