

monitor.

breaking in.

Contamination

Fluid Condition

the oil. Confirm oil type.

Wear

DIAGNOSIS

Recommendation

OIL ANALYSIS REPORT

Sample Rating Trend



{UNASSIGNED} 714013

1 Diesel Engine

Area

PETRO CANADA DURON SHP 15W40 (9 GAL)

SAMPLE INFORMATION method GFL0124776 GFL0115195 Sample Number **Client Info** Oil and filter change at the time of sampling has Sample Date Client Info 26 May 2024 10 Mar 2024 been noted. No corrective action is recommended 806 Machine Age hrs **Client Info** 33 at this time. Resample at the next service interval to Oil Age hrs Client Info 773 33 Oil Changed Changed **Client Info** Not Changd Sample Status ATTENTION NORMAL Metal levels are typical for a new component CONTAMINATION Water WC Method >0.2 NEG NEG Fuel content negligible. There is no indication of Glycol WC Method NEG NEG any contamination in the oil. WEAR METALS The oil viscosity is lower than normal. The BN result Iron ASTM D5185m >120 58 13 ppm indicates that there is suitable alkalinity remaining in ASTM D5185m >20 Chromium ppm 1 <1 Nickel ASTM D5185m >5 5 0 ppm 0 ASTM D5185m >2 Titanium ppm <1 Silver ppm ASTM D5185m >2 <1 0 Aluminum ASTM D5185m >20 8 3 ppm ASTM D5185m >40 <1 Lead ppm <1 ASTM D5185m Copper >330 257 <1 ppm 3 Tin ppm ASTM D5185m >15 <1 0 Vanadium ASTM D5185m 0 ppm Cadmium ppm ASTM D5185m 0 0 ADDITIVES 0 226 Boron ppm ASTM D5185m <1 Barium ppm ASTM D5185m 0 <1 0 ASTM D5185m 60 118 58 Molybdenum ppm Manganese ppm ASTM D5185m 0 5 0 1010 751 911 Magnesium ppm ASTM D5185m Calcium ASTM D5185m 1070 1408 1037 ppm Phosphorus ppm ASTM D5185m 1150 761 1040 Zinc ppm ASTM D5185m 1270 897 1214 Sulfur 2060 3199 ppm ASTM D5185m 2579 CONTAMINANTS Silicon ASTM D5185m >25 69 6 ppm 5 Sodium ASTM D5185m ppm <1 Potassium ASTM D5185m >20 12 4 ppm Fuel % ASTM D3524 >3.0 0.5 <1.0 0.6 % *ASTM D7844 >4 0.8 Soot % Nitration Abs/cm *ASTM D7624 >20 10.1 8.2 Sulfation *ASTM D7415 >30 23.7 19.4 Abs/.1mm FLUID DEGRADATION *ASTM D7414 >25 22.1 14.9 Oxidation Abs/.1mm

Base Number (BN) mg KOH/g ASTM D2896 9.8

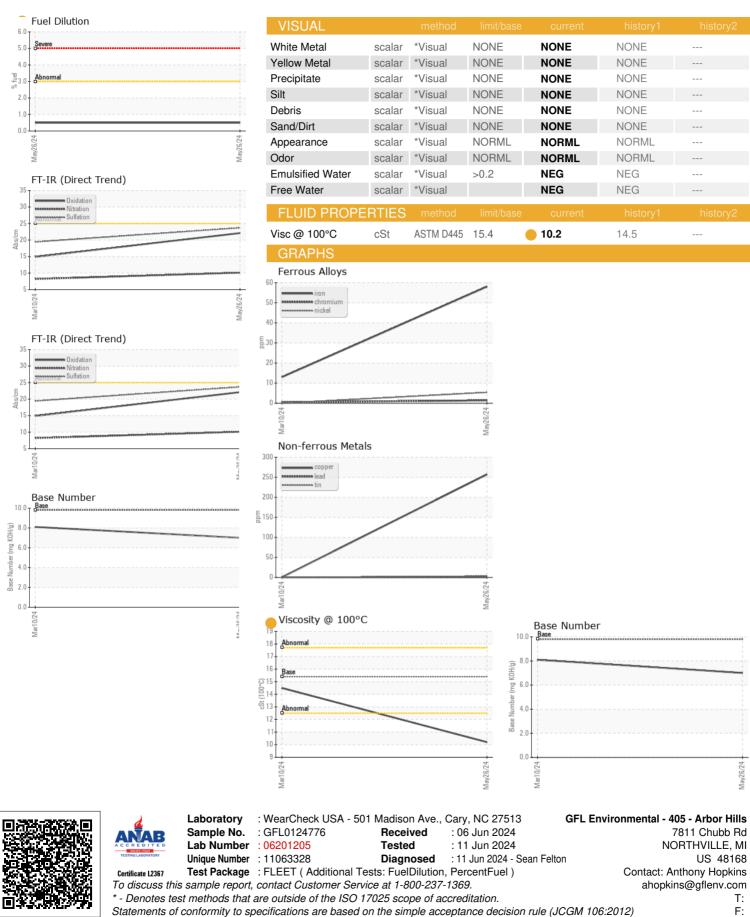
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8.1

7.0



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