

OIL ANALYSIS REPORT

Sample Rating Trend





Component Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS
Recommendation

Resample at the next service interval to monitor.

Machine Id

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

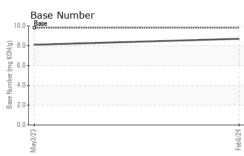
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

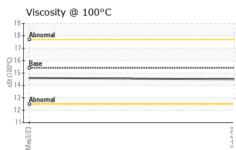
Sample Number Client Info GFL0110138 GFL0069883 Sample Date Client Info 06 Feb 2024 03 May 2023 Machine Age hrs Client Info 11873 10226 Oil Age hrs Client Info 1647 600	ory2
Machine Age hrs Client Info 11873 10226	
Oil Age brs Client Info 1647 600	
Oil Changed Client Info Not Changed	
Sample Status NORMAL	
CONTAMINATION method limit/base current history1 histo	ory2
Fuel WC Method >3.0 <1.0	
Water WC Method >0.2 NEG NEG	
Glycol WC Method NEG	
WEAR METALS method limit/base current history1 histo	ory2
Iron ppm ASTM D5185m >200 19 37	
Chromium ppm ASTM D5185m >20 1 3	
Nickel ppm ASTM D5185m >2 0 <1	
Titanium ppm ASTM D5185m >2 0 <1	
Silver ppm ASTM D5185m >2 0 0	
Aluminum ppm ASTM D5185m >30 5 4	
Lead ppm ASTM D5185m >30 0	
Copper ppm ASTM D5185m >30 2 6	
Tin ppm ASTM D5185m >15 0 1	
Vanadium ppm ASTM D5185m 0	
Cadmium ppm ASTM D5185m 0	
ADDITIVES method limit/base current history1 histo	ory2
Boron ppm ASTM D5185m 0 4	
Barium ppm ASTM D5185m 0 0 0	
Molybdenum ppm ASTM D5185m 60 57 60	
Manganese ppm ASTM D5185m 0 <1	
Magnesium ppm ASTM D5185m 1010 919 977	
Calcium ppm ASTM D5185m 1070 1032 1090	
Phosphorus ppm ASTM D5185m 1150 1070 1091	
Zinc ppm ASTM D5185m 1270 1242 1356	
Sulfur ppm ASTM D5185m 2060 2973 2969	
CONTAMINANTS method limit/base current history1 histo	ory2
Silicon ppm ASTM D5185m >30 6 12	
Sodium ppm ASTM D5185m <1 1	
Sodium ppm ASTM D5185m <1 1	
Potassium ppm ASTM D5185m >20 0 1	ory2
Potassium ppm ASTM D5185m >20 0 1	
Potassium ppm ASTM D5185m >20 0 1 INFRA-RED method limit/base current history1 history1	
Potassium ppm ASTM D5185m >20 0 1 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.3 0.4	
Potassium ppm ASTM D5185m >20 0 1 INFRA-RED method limit/base current history1 histor Soot % % *ASTM D7844 >3 0.3 0.4 Nitration Abs/cm *ASTM D7624 >20 6.1 8.7	ory2
Potassium ppm ASTM D5185m >20 0 1 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.3 0.4 Nitration Abs/cm *ASTM D7624 >20 6.1 8.7 Sulfation Abs/.1mm *ASTM D7415 >30 18.9 20.0	ory2

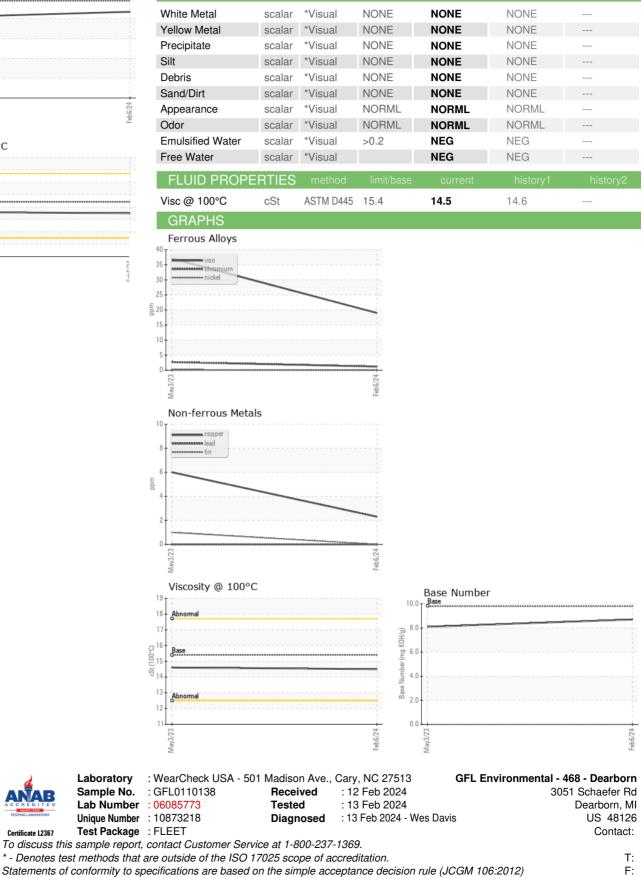


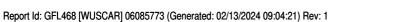
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VISUAL









Certificate L2367

Submitted By: seel also GFL468 - Laura Wilson