

## **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Machine Id **114** Component **Diesel Engine** Fluid **PETRO CANADA DURON HP 15W40 (--- GAL)**

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

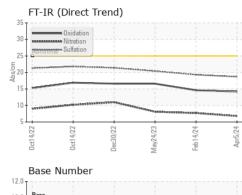
### Fluid Condition

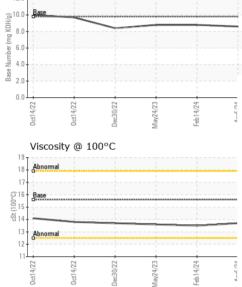
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

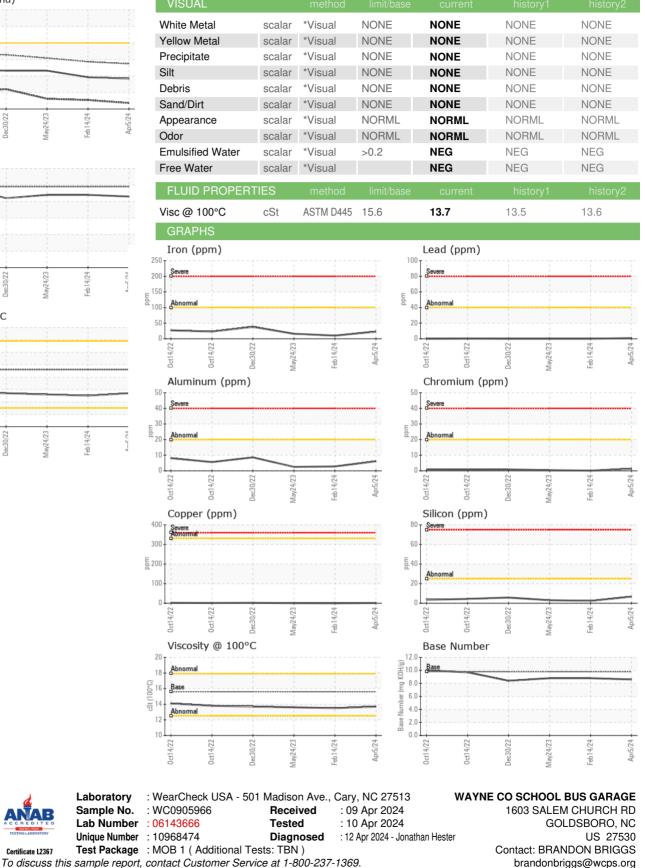
Sample Number Client Info WC0905966 WC0906243 WC075   Sample Date Client Info 05 Apr 2024 14 Feb 2024 24 May	92748
Sample Date Client Info 05 Apr 2024 14 Feb 2024 24 May	
	/ 2023
Machine Age mls Client Info 110491 155262 0	
Oil Age mls Client Info 5000 0 5000	
Oil Changed Client Info Not Changd Not Changd Not Ch	angd
Sample Status NORMAL NORMAL NORM	AL
CONTAMINATION method limit/base current history1 history1	story2
Fuel WC Method >5 <1.0	)
Water WC Method >0.2 NEG NEG NEG	à
Glycol WC Method NEG NEG NEG	à
WEAR METALS method limit/base current history1 his	story2
Iron ppm ASTM D5185m >100 23 10 16	
Chromium ppm ASTM D5185m >20 1 <1	
Nickel ppm ASTM D5185m >4 <1	
Titanium ppm ASTM D5185m <1	
Silver ppm ASTM D5185m >3 0 0	
Aluminum ppm ASTM D5185m >20 6 3 2	
Lead ppm ASTM D5185m >40 <1 0 0	
Copper ppm ASTM D5185m >330 1 0 <1	
Tin ppm ASTM D5185m >15 1 0 0	
Vanadium ppm ASTM D5185m <1	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history1 his	story2
Boron ppm ASTM D5185m 3 7 7	
Barium ppm ASTM D5185m 0 2	
Molybdenum ppm ASTM D5185m 87 57 62	
Manganese ppm ASTM D5185m 1 0 <1	
Magnesium ppm ASTM D5185m 1383 864 835	
Calcium ppm ASTM D5185m 1573 986 1084	4
Phosphorus ppm ASTM D5185m 1462 969 981	
Zinc ppm ASTM D5185m 1814 1186 1164	4
Sulfur ppm ASTM D5185m 4726 2887 2933	3
CONTAMINANTS method limit/base current history1 his	story2
Silicon ppm ASTM D5185m >25 7 2 3	
Sodium ppm ASTM D5185m 3 0 0	
Potassium ppm ASTM D5185m >20 6 <1	
INFRA-RED method limit/base current history1 his	story2
Soot % % *ASTM D7844 >3 0.4 0.8 0.9	
Nitration Abs/cm *ASTM D7624 >20 6.8 7.7 8.1	
Sulfation Abs/.1mm *ASTM D7415 >30 18.7 19.3 20.4	-
	story2



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\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

cSt (100°C)

Laboratory

Sample No.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: WAYGOL [WUSCAR] 06143666 (Generated: 04/12/2024 17:50:59) Rev: 1

Certificate 12367

Contact/Location: BRANDON BRIGGS - WAYGOL

T:

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