

RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE	MARGINAL	SEVERE			
Fuel	%	ASTM D3524	>3.0	e 24.7	1 .7	22.4			
Visc @ 100°C	cSt	ASTM D445	15.4	A 8.6	13.0	9.4			

Customer Id: GFL465 Sample No.: GFL0107746 Lab Number: 06077428 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			
Resample			?	We recommend an early resample to monitor this condition.			
Check Fuel/injector System			?	We advise that you check the fuel injection system.			

HISTORICAL DIAGNOSIS



24 Nov 2023 Diag: Wes Davis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report



13 Nov 2023 Diag: Wes Davis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

23 Aug 2023 Diag: Don Baldridge

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FUEL

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



DIAGNOSIS

Recommendation

monitor this condition.

Contamination

Fluid Condition

Wear

Machine Id 4654M

Component **Diesel Engine** Fluic

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

SAMPLE INFORMATION method GFL0107746 GFL0096549 GFL0096519 Sample Number **Client Info** We advise that you check the fuel injection system. Sample Date Client Info 26 Jan 2024 24 Nov 2023 13 Nov 2023 Oil and filter change at the time of sampling has Machine Age hrs **Client Info** 15566 15069 14975 been noted. We recommend an early resample to Oil Age hrs Client Info 600 600 600 Oil Changed Client Info Changed Changed Changed SEVERE Sample Status MARGINAL SEVERE All component wear rates are normal. CONTAMINATION There is a high amount of fuel present in the oil. Water WC Method >0.2 NEG NEG NEG WC Method Glycol NEG NEG NEG Fuel is present in the oil and is lowering the WEAR METALS method history? viscosity. The oil is no longer serviceable due to the presence of contaminants. Iron ASTM D5185m >90 17 17 22 ppm >20 0 Chromium ppm ASTM D5185m <1 <1 Nickel ASTM D5185m >2 0 0 0 ppm ASTM D5185m >2 <1 0 Titanium ppm <1 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ASTM D5185m >20 <1 2 ppm 1 ASTM D5185m >40 0 0 Lead ppm <1 ASTM D5185m Copper >330 <1 1 0 ppm 0 Tin ppm ASTM D5185m >15 <1 <1 0 0 Vanadium ASTM D5185m 0 ppm Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method history2 2 0 1 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 0 0 0 ASTM D5185m 60 42 57 44 Molybdenum ppm Manganese ppm ASTM D5185m 0 <1 0 <1 1010 604 810 742 Magnesium ppm ASTM D5185m Calcium ASTM D5185m 1070 667 1011 797 ppm Phosphorus ppm ASTM D5185m 1150 680 892 795 Zinc ppm ASTM D5185m 1270 786 1102 973 Sulfur 2060 2957 2125 ppm ASTM D5185m 1783 CONTAMINANTS Silicon ASTM D5185m >25 4 2 6 ppm 4 5 Sodium ASTM D5185m 4 ppm Potassium ASTM D5185m >20 0 2 0 ppm 1.7 22.4 Fuel % ASTM D3524 >3.0 24.7 **INFRA-RED** % *ASTM D7844 >6 0.4 0.5 0.5 Soot % Nitration Abs/cm *ASTM D7624 >20 12.0 9.4 11.9 22.0 Sulfation *ASTM D7415 >30 21.9 19.9 Abs/.1mm FLUID DEGRADATION method *ASTM D7414 >25 25.2 17.2 24.5 Oxidation Abs/.1mm

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

7.7

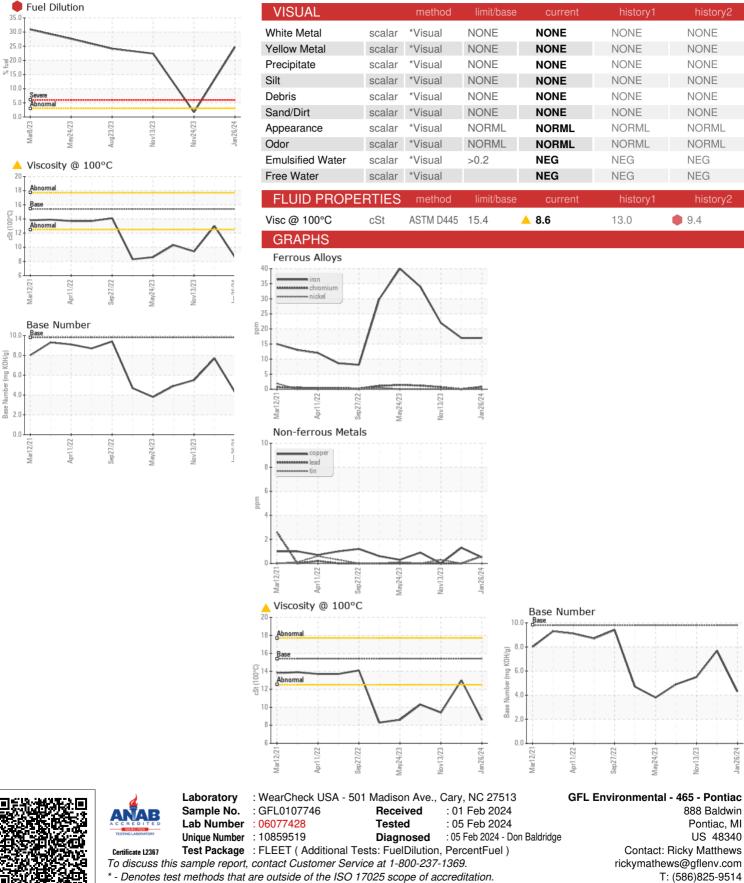
5.5

4.3



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OIL ANALYSIS REPORT



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

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

Submitted By: Ricky Matthews

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888 Baldwin

Pontiac, MI

US 48340

F:

Nov13/23

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

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