





RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	NORMAL	ATTENTION			
Fuel	%	ASTM D3524	>3.0	A 3.5	<1.0	<1.0			
Visc @ 100°C	cSt	ASTM D445	15.4	10.7	12.7	10.1			

Customer Id: GFL005 Sample No.: GFL0072400 Lab Number: 05887745 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 <u>customerservice@wearcheck.com</u>

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.		
Check Fuel/injector System			?	We advise that you check the fuel injection system.		

HISTORICAL DIAGNOSIS



26 Oct 2022 Diag: Wes Davis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination 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.



VISCOSITY

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

30 May 2022 Diag: Jonathan Hester

VISCOSITY



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.





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OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 2736 Component Diesel E Fluid PETRO 0

Diesel Engine

PETRO CANADA DURON SHP 15W40 (10 GAL)

SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0072400	GFL0048915	GFL0048876
Sample Date		Client Info		15 Jun 2023	26 Oct 2022	15 Aug 2022
Machine Age	hrs	Client Info		29769	28766	28483
Oil Age	hrs	Client Info		1003	315	616
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>120	14	15	12
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	4	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	14	3	17
Lead	ppm	ASTM D5185m	>40	<1	1	2
Copper	ppm	ASTM D5185m	>330	2	11	2
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	43	10	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	61	48
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	529	862	581
Calcium	ppm	ASTM D5185m	1070	1417	1151	1240
Phosphorus	ppm	ASTM D5185m	1150	889	1000	659
Zinc	ppm	ASTM D5185m	1270	1077	1197	858
Sulfur	ppm	ASTM D5185m	2060	3155	3646	2317
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	8	7	6
Sodium	ppm	ASTM D5185m		2	<1	6
Potassium	ppm	ASTM D5185m	>20	28	2	16
Fuel	%	ASTM D3524	>3.0	A 3.5	<1.0	<1.0
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>4	0.3	0.1	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.6	6.7	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.3	22.6
FLUID DEGRAD		method	limit/base	current	history 1	history 2
FLUID DEGRAD	D <mark>ATION</mark> Abs/.1mm	method *ASTM D7414	limit/base	current	history 1 14.6	history 2 19.5

DIAGNOSIS

Recommendation
We advise that you check the fuel injection system.

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



OIL ANALYSIS REPORT



Submitted By: WALTER SKOKOWSKI

Aug15/22

Jun15/23

F:

history 2

history