





RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL	NORMAL	NORMAL			
Iron	ppm	ASTM D5185m	>50	🔺 162	12	62		
Chromium	ppm	ASTM D5185m	>5	4 9	1	4		
Silicon	ppm	ASTM D5185m	>25	4 3	5	36		

Customer Id: GFL836 Sample No.: GFL0095177 Lab Number: 06002748 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			
Resample			?	We recommend an early resample to monitor this condition.			
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.			

HISTORICAL DIAGNOSIS



09 Oct 2023 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.



view report

20 Sep 2023 Diag: Wes Davis





Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.



30 Aug 2023 Diag: Wes Davis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.







OIL ANALYSIS REPORT

Sample Rating Trend

limit/base

current



SAMPLE INFORMATION method

DIRT

history2

history1

Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Machine Id 934022 Component

📥 Wear

Cylinder, crank, or cam shaft wear is indicated. All other metal levels are typical for a new component breaking in.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

Sample Number		Client Info		GFL0095177	GFL0095120	GFL0090673
Sample Date		Client Info		06 Nov 2023	09 Oct 2023	20 Sep 2023
Machine Age	hrs	Client Info		1184	1025	877
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	A 162	12	62
Chromium	ppm	ASTM D5185m	>5	<u> </u>	1	4
Nickel	ppm	ASTM D5185m	>4	4	<1	3
Titanium	ppm	ASTM D5185m	>5	<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	11	2	83
Lead	ppm	ASTM D5185m	>40	13	5	4
Copper	ppm	ASTM D5185m	>150	2	2	23
Tin	ppm	ASTM D5185m	>4	2	1	3
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	9	9	10
Barium	ppm	ASTM D5185m	5	0	0	1
Molybdenum	ppm	ASTM D5185m	50	67	55	73
Manganese	ppm	ASTM D5185m	0	3	1	15
Magnesium	ppm	ASTM D5185m	560	634	578	940
Calcium	ppm	ASTM D5185m	1510	1809	1652	1496
Phosphorus	ppm	ASTM D5185m	780	812	735	934
Zinc	ppm	ASTM D5185m	870	1066	997	1202
Sulfur	ppm	ASTM D5185m	2040	2429	2377	3134
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4 3	5	36
Sodium	ppm	ASTM D5185m		12	9	8
Potassium	ppm	ASTM D5185m	>20	4	2	196
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	13.3	11.5	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4	24.4	24.1
FLUID DEGRAD		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.1	20.3	21.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.7	3.6	3.5



OIL ANALYSIS REPORT



Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836