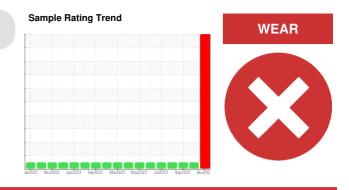


Natural Gas Engine

Machine Id 731120 Component

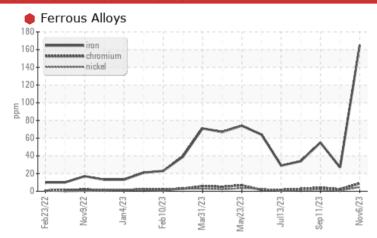
Fluid

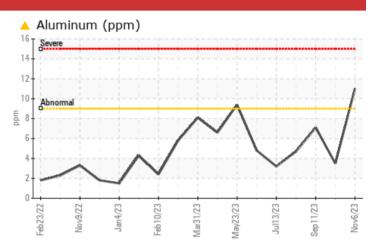
PROBLEM SUMMARY



COMPONENT CONDITION SUMMARY

PETRO CANADA DURON GEO LD 15W40 (--- GAL)





RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>50	🛑 165	27	55		
Chromium	ppm	ASTM D5185m	>4	9	2	4		
Nickel	ppm	ASTM D5185m	>2	• 4	<1	2		
Aluminum	ppm	ASTM D5185m	>9	🔺 11	4	7		

Customer Id: GFL836 Sample No.: GFL0095178 Lab Number: 06002749 Test Package: FLEET



To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.			
Change Fluid			?	We recommend that you drain the oil and perform a filter service on this component if not already done.			
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already done.			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



05 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.





11 Sep 2023 Diag: Angela Borella

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.



11 Aug 2023 Diag: Wes Davis

NORMAL



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.





OIL ANALYSIS REPORT

Sample Rating Trend



731120 Component Natural Gas Engine Fluid

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

🛑 Wear

Cylinder, crank, or cam shaft wear is indicated. Piston, ring and cylinder wear is indicated.

Contamination

There is no indication of any contamination in the oil.

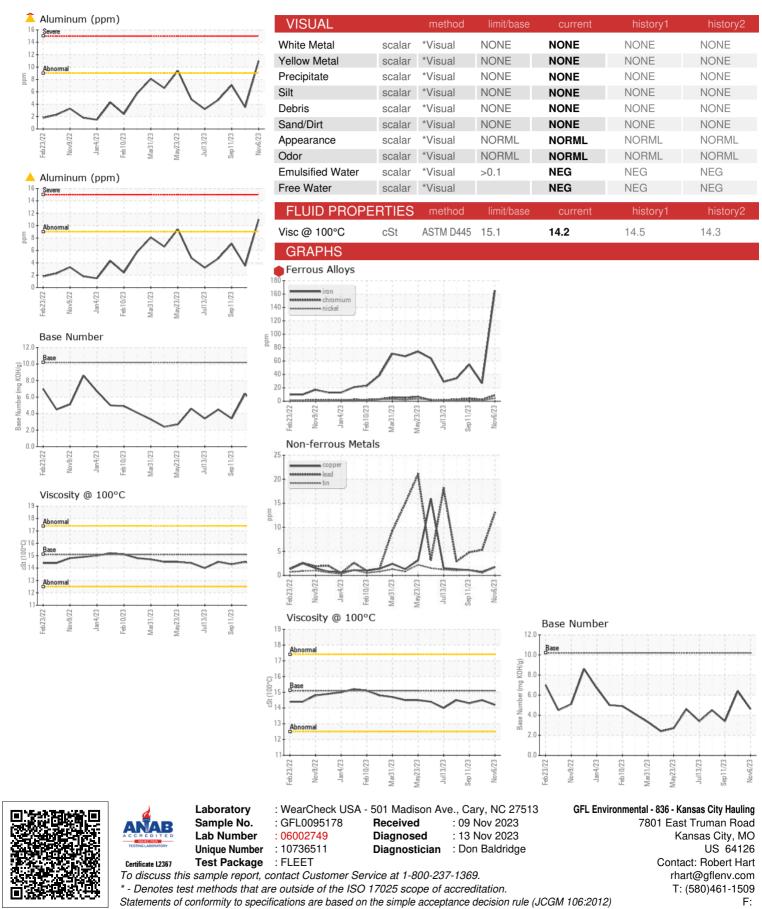
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

-		ebZUZZ NovZ	022 Jan2023 Feb2023	Mar2023 May2023 Jul2023 Sep.	2023 Nov202	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0095178	GFL0095155	GFL009073
Sample Date		Client Info		06 Nov 2023	05 Oct 2023	11 Sep 2023
Machine Age	hrs	Client Info		8043	6135	59600
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	e 165	27	55
Chromium	ppm	ASTM D5185m	>4	9	2	4
Nickel	ppm	ASTM D5185m	>2	• 4	<1	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	🔺 11	4	7
Lead	ppm	ASTM D5185m	>30	13	5	5
Copper	ppm	ASTM D5185m	>35	2	<1	1
Tin	ppm	ASTM D5185m	>4	2	<1	1
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	44	5
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	67	55	60
Manganese	ppm	ASTM D5185m	0	3	<1	2
Magnesium	ppm	ASTM D5185m	560	632	588	580
Calcium	ppm	ASTM D5185m	1510	1798	1585	1753
Phosphorus	ppm	ASTM D5185m	780	803	756	703
Zinc	ppm	ASTM D5185m	870	1063	973	983
Sulfur	ppm	ASTM D5185m	2040	2418	2518	2778
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	44	14	21
Sodium	ppm	ASTM D5185m		12	6	10
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
	Aba/am	*ASTM D7624	>20	13.5	8.3	10.8
Nitration	Abs/cm					
	Abs/cm Abs/.1mm	*ASTM D7415	>30	25.5	21.8	23.2
	Abs/.1mm	*ASTM D7415	>30 limit/base		21.8 history1	
Nitration Sulfation FLUID DEGRA Oxidation	Abs/.1mm	*ASTM D7415	limit/base			23.2 history2 19.3



OIL ANALYSIS REPORT



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