

Natural Gas Engine

(ML7006)

2687C Component

PROBLEM SUMMARY

Nov10/

1777

Mar21

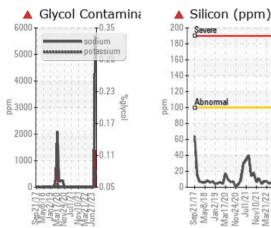
Mar 17 Vov24 ΠP

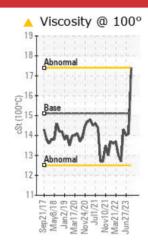
Sample Rating Trend

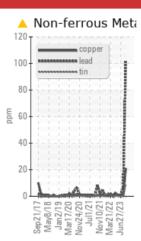


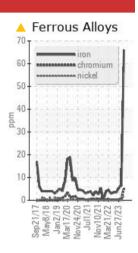
PETRO CANADA DURON GEO LD 15W40 (36 QTS)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS						
Sample Status				SEVERE	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	<u> </u>	6	5
Chromium	ppm	ASTM D5185m	>4	4 5	<1	<1
Lead	ppm	ASTM D5185m	>30	<u> </u>	7	<1
Copper	ppm	ASTM D5185m	>35	A 21	0	1
Tin	ppm	ASTM D5185m	>4	<u> </u>	<1	0
Silicon	ppm	ASTM D5185m	>+100	145	5	4
Sodium	ppm	ASTM D5185m		6 5708	14	7
Potassium	ppm	ASTM D5185m	>20	622	1	<1
Glycol	%	*ASTM D2982		4 0.12		
Visc @ 100°C	cSt	ASTM D445	15.1	17.4	14.1	14.0

Customer Id: GFL002 Sample No.: PCA0101762 Lab Number: 06104051 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	
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.	
Check Glycol Access			?	We advise that you check for the source of the coolant leak.	

HISTORICAL DIAGNOSIS



 \checkmark

28 Aug 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

27 Jun 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.

03 Nov 2022 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.





OIL ANALYSIS REPORT



Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

🔺 Wear

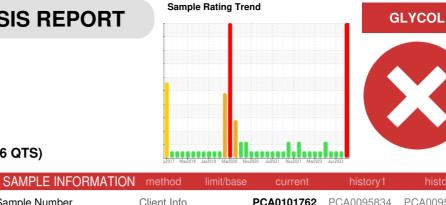
Cylinder, crank, or cam shaft wear is indicated. Bearing and/or bushing wear is indicated.

Contamination

Sodium and/or potassium levels are high. Test for glycol is positive. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

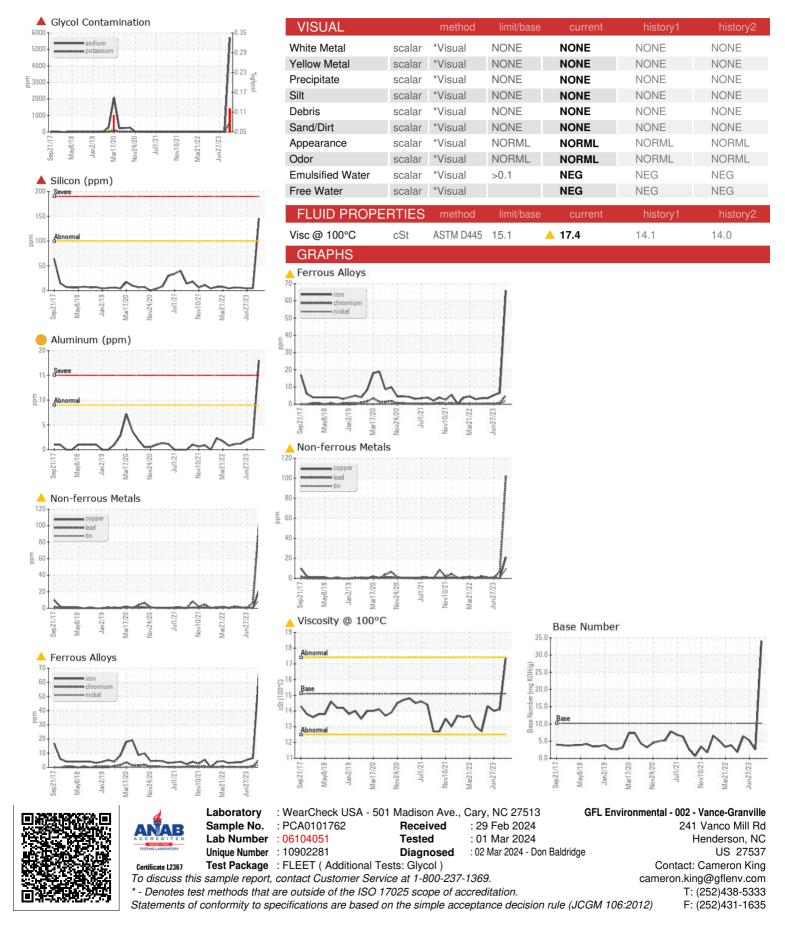
The oil viscosity is higher than normal. The oil is no longer serviceable.



Sample Number Client Info PCA01017E2 PCA00383.4 PCA00383.4 PCA00383.4 PCA00383.4 Sample Date Client Info 28 Feb 2024 28 Aug 2023 27 Jun 2023 Machine Age hrs Client Info 17254 16063 15545 Oil Changed Client Info 1191 518 1759 Oil Changed Client Info Changed Changed Changed Changed Sample Status Nethod setVERE NORMAL NORMAL NORMAL CONTAMINATION method Imit/base current history1 history2 Water WC Method >0.1 NEG NEG SetVERE NORMAL Iron ppm ASTM 05185m >2 2 0 0 Silver ppm ASTM 05185m >30 0 0 0 Silver ppm ASTM 05185m >30 102 7 <1 Contraminum ppm ASTM 05185m >30 21			method	innii/base	Current	mistoryi	mstoryz
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Chromium ppm ASTM D5185m >4 ▲ 5 <1	WEAR METAL	S	method	limit/base	current	history1	history2
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Sodium ppm ASTM D5185m ▲ 5708 14 7 Potassium ppm ASTM D5185m<>20 ▲ 622 1 <1 Glycol % *ASTM D2982 ▲ 0.12 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.1 0.1 0.2 Nitration Abs/cm *ASTM D7624 >20 25.9 11.4 9.3 Sulfation Abs/.1mm *ASTM D7615 >30 30.3 26.3 21.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 21.5 23.7 18.6	CONTAMINAN	TS	method	limit/base	current	history1	history2
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Nitration Abs/cm *ASTM D7624 >20 25.9 11.4 9.3 Sulfation Abs/.1mm *ASTM D7415 >30 30.3 26.3 21.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 21.5 23.7 18.6	INFRA-RED		method	limit/base	current	history1	history2
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Oxidation Abs/.1mm *ASTM D7414 >25 21.5 23.7 18.6	Sulfation	Abs/.1mm	*ASTM D7415	>30	30.3	26.3	21.8
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.5	23.7	18.6
	Base Number (BN)	mg KOH/g	ASTM D2896	10.2	34.0	2.6	5.2



OIL ANALYSIS REPORT



Page 4 of 4