

OIL ANALYSIS REPORT

F Sam

Sample Rating Trend

NORMAL



434023

Component

Natural Gas Engine

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) 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. No other contaminants were detected in the oil.

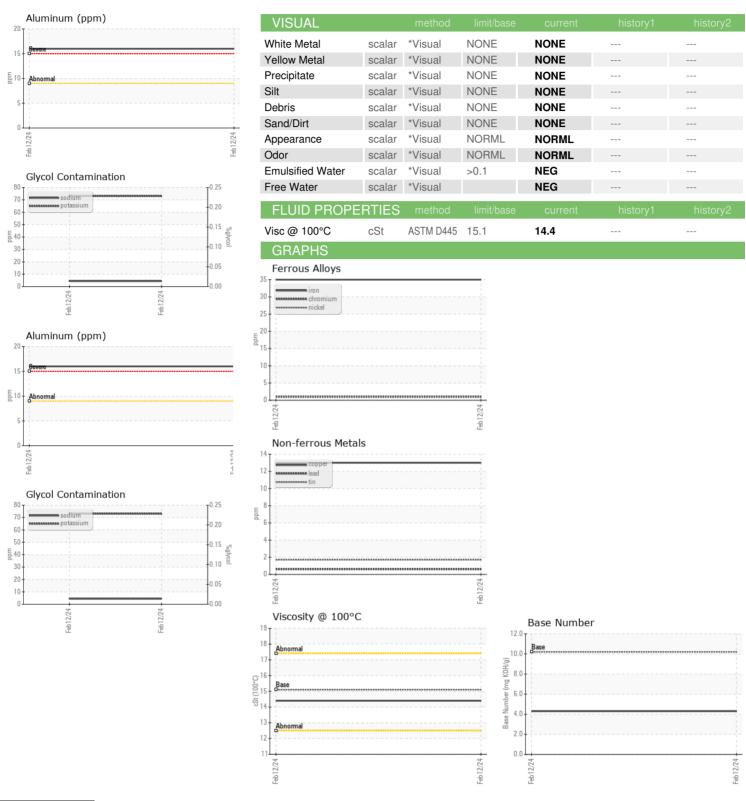
Fluid Condition

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.

GAL)				Feb 2024		
SAMPLE INFORMA	ATION	method			historyt	hiotom/0
			limit/base	current	history1	history2
Sample Number		Client Info		GFL0104003		
Sample Date		Client Info		12 Feb 2024		
3-		Client Info		625		
J		Client Info		625		
Oil Changed	•	Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water	,	WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
lron p	pm /	ASTM D5185m	>50	35		
		ASTM D5185m	>4	1		
		ASTM D5185m	>2	1		
		ASTM D5185m		<1		
		ASTM D5185m	>3	0		
			>9	16		
		ASTM D5185m	>30	<1		
	1-	ASTM D5185m	>35	13		
		ASTM D5185m	>4	2		
		ASTM D5185m		0		
		ASTM D5185m		0		
p	,piii ,		Parallella and			
ADDITIVES		method	limit/base	current	history1	history2
Boron p	1-	ASTM D5185m	50	14		
Barium p	pm /	ASTM D5185m	5	2		
Molybdenum p	pm /	ASTM D5185m	50	51		
Manganese p	pm /	ASTM D5185m	0	10		
Magnesium p	pm /	ASTM D5185m	560	677		
Calcium p	pm /	ASTM D5185m	1510	1313		
Phosphorus p	pm /	ASTM D5185m	780	669		
Zinc p	pm /	ASTM D5185m	870	909		
Sulfur p	pm /	ASTM D5185m	2040	2325		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon p	pm /	ASTM D5185m	>+100	23		
Sodium p	pm /	ASTM D5185m		4		
Potassium p	pm	ASTM D5185m	>20	73		
INFRA-RED		method	limit/base	current	history1	history2
Soot % %	6	*ASTM D7844		0.4		
		*ASTM D7624	>20	9.4		
		*ASTM D7415		21.1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation A	bs/.1mm	*ASTM D7414	>25	16.2		
		ASTM D2896		4.3		
Dase Number (DIV)	ig NOTI/g	NO 1 IVI D2030	10.2	7.0		



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06091636

Unique Number : 10884489

: GFL0104003 Received

Tested Diagnosed

: 19 Feb 2024 - Don Baldridge Test Package: FLEET (Additional Tests: Glycol)

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

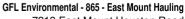
To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 16 Feb 2024

: 19 Feb 2024





7213 East Mount Houston Road

Houston, TX US 77050

Contact: Saul Castillo saul.castillo@gflenv.com

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