

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

934064 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

## DIAGNOSIS

#### A Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## 🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

#### Contamination

Sodium and/or potassium levels are high.

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114442	GFL0103946	GFL0103964
Sample Date		Client Info		02 Apr 2024	14 Feb 2024	29 Jan 2024
Machine Age	mls	Client Info		19634	775	645
Oil Age	mls	Client Info		0	775	645
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT		method	limit/base	current	history1	history2
			0.4	NEO	NEO	
vvater		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	10	9	30
Chromium	ppm	ASTM D5185m	>4	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<u> </u>	20	68
Lead	ppm	ASTM D5185m	>30	0	<1	1
Copper	ppm	ASTM D5185m	>35	2	2	14
Tin	ppm	ASTM D5185m	>4	1	1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	24	10
Barium	ppm	ASTM D5185m	5	1	0	<1
Molybdenum	ppm	ASTM D5185m	50	46	46	52
Manganese	ppm	ASTM D5185m	0	2	2	12
Magnesium	ppm	ASTM D5185m	560	529	542	706
Calcium	ppm	ASTM D5185m	1510	1510	1452	1219
Phosphorus	ppm	ASTM D5185m	780	680	715	696
Zinc	ppm	ASTM D5185m	870	923	877	901
Sulfur	ppm	ASTM D5185m	2040	2158	2263	2278
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	8	26
Sodium	ppm	ASTM D5185m		6	4	5
Potassium	ppm	ASTM D5185m	>20	<b>A</b> 135	67	250
Glycol	%	*ASTM D2982		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	11.0	8.1	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	19.2	22.7
		method	limit/base	current	history1	history2
Ovidation	Ahe/1mm	*ASTM D7/1/	<25	10.0	16.4	20.3
Daga Number (DN)	AUS/. IIIIII	ASTM DOOD	10.0	19.0	7.6	20.5
Dase Number (BN)	nig KOH/g	AS LIVI DS930	10.2	4.5	0. /	4.1



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