

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Machine Id 8406

Component **Natural Gas Engine** Fluid

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

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0097607	GFL0072864	GFL0064064
We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample	Sample Date		Client Info		02 Nov 2023	22 Feb 2023	16 Feb 2023
	Machine Age	hrs	Client Info		259149	11834	11510
	Oil Age	hrs	Client Info		25750	625	0
monitor this condition.	Oil Changed		Client Info		Changed	Not Changd	N/A
ear component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	SEVERE
Contamination Fest for glycol is positive. There is a light concentration of glycol present in the oil.	CONTAMINA	TION	method	limit/base	current	history1	history2
	Water		WC Method	>0.1	NEG	NEG	NEG
Fluid Condition	WEAR META	LS	method	limit/base	current	history1	history2
The oil is no longer serviceable due to the presence of contaminants.	Iron	ppm	ASTM D5185(m)	>50	29	26	27
	Chromium	ppm	ASTM D5185(m)	>4	1	1	1
	Nickel	ppm	ASTM D5185(m)	>2	<1	1	1
	Titanium	ppm	ASTM D5185(m)		0	<1	<1
	Silver	ppm	ASTM D5185(m)	>3	0	0	0
	Aluminum	ppm	ASTM D5185(m)	>9	2	3	3
	Lead	ppm	ASTM D5185(m)	>30	2	<1	2
	Copper	ppm	ASTM D5185(m)	>35	1	1	2
	Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
	Antimony	ppm	ASTM D5185(m)		0	<1	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	Beryllium	ppm	ASTM D5185(m)		0	0	0
	Cadmium	ppm	ASTM D5185(m)		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)	50	2	5	5
	Barium	ppm	ASTM D5185(m)	5	<1	0	0
	Molybdenum	ppm	ASTM D5185(m)	50	67	59	62
	Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185(m)	560	485	556	540
	Calcium	ppm	ASTM D5185(m)	1510	1452	1616	1514
	Phosphorus	ppm	ASTM D5185(m)	780	578	814	779
	Zinc	ppm	ASTM D5185(m)	870	793	882	855
	Sulfur	ppm	ASTM D5185(m)	2040	1856	2075	1983
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>+100	6	7	10
	Sodium	ppm	ASTM D5185(m)		<u> </u>	<u> </u>	A 353
	Potassium	ppm	ASTM D5185(m)	>20	<u> </u>	1 4	<u> </u>
	Glycol	%	ASTM D7922*		A 0.029	▲ 0.087	0.117
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*		0	0	0
	Nitration	Abs/cm	ASTM D7624*	>20	11.8	9.9	7.1
	Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	20.6	17.7
	FLUID DEGRA		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	ASTM D7414*	>25	19.3	14.3	10.2



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Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: Brian Gagne Page 2 of 2

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