

OIL ANALYSIS REPORT

Sample Rating Trend





731057 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- LTR)

Recommendation

Resample at the next service interval to monitor.

Machine Id

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (AI) 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. There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

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SAMPLE INFORM	ЛАНОN	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117123	GFL0097770	GFL0060993
Sample Date		Client Info		07 Jun 2024	24 Oct 2023	10 Nov 2022
Machine Age	hrs	Client Info		6611	5505	3470
Oil Age	hrs	Client Info		1200	1200	1100
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	16	13	28
Chromium	ppm	ASTM D5185(m)	>4	1	1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	2
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	4	5	14
Lead	ppm	ASTM D5185(m)	>30	7	8	13
Copper	ppm	ASTM D5185(m)	>35	<1	<1	4
Tin	ppm	ASTM D5185(m)	>4	<1	<1	2
Antimony	ppm	ASTM D5185(m)		0	0	<1
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	8	6	9
Barium	ppm	ASTM D5185(m)	5	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	59	61	66
Manganese	ppm	ASTM D5185(m)	0	<1	0	2
Magnesium	ppm	ASTM D5185(m)	560	670	628	674
Calcium	ppm	ASTM D5185(m)	1510	1799	1696	1748
Phosphorus	ppm	ASTM D5185(m)	780	788	758	877
Zinc	ppm	ASTM D5185(m)	870	1022	967	1051
Sulfur	ppm	ASTM D5185(m)	2040	2094	2085	2168
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	3	4	6
Sodium	ppm	ASTM D5185(m)		9	8	9
Potassium	ppm	ASTM D5185(m)	>20	8	12	34
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.0	12.6	13.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.4	26.5	29.5
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.2	21.6	24.3
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Ba

13 Abnormal

0ct13/21

FT-IR (Direct Trend)

Oxidation

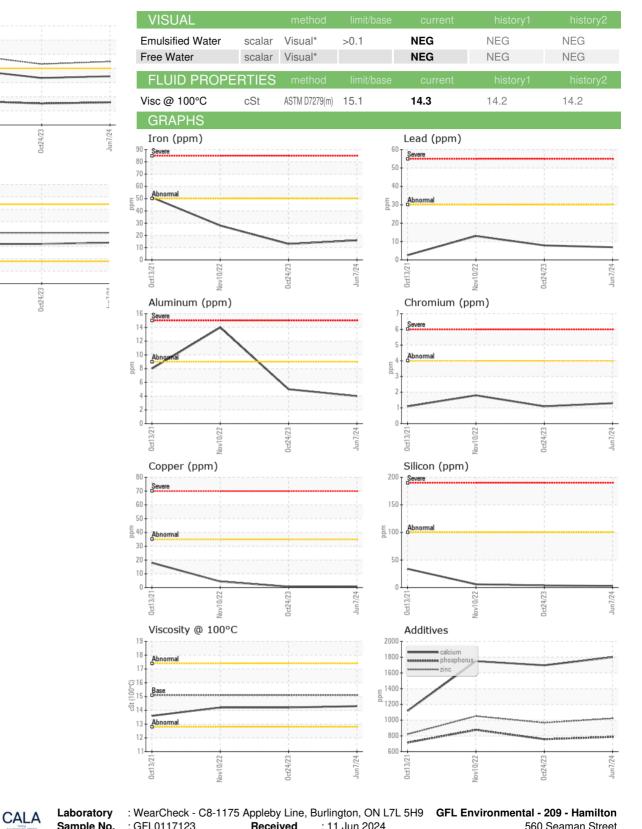
lfad

Viscosity @ 100°C

Jov10/22

Vov10/22

OIL ANALYSIS REPORT



Sample No. : GFL0117123 Received : 11 Jun 2024 Lab Number : 02640983 Tested : 11 Jun 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5798522 Diagnosed : 11 Jun 2024 - Wes Davis Test Package : MOB 1 To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

560 Seaman Street Stoney Creek, ON CA L8E 3X7 Contact: Fred Carleton fred.carleton@gflenv.com T: (289)925-6693 F: (905)664-9008

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Submitted By: Fred Carleton Page 2 of 2