

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



834046 Component Natural Gas Engine

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

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Machine Id

🔺 Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

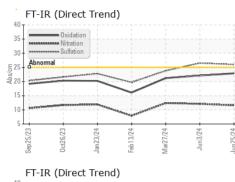
Fluid Condition

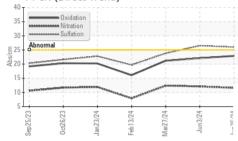
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

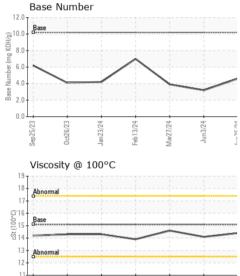
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124050	GFL0120238	GFL0114076
Sample Date		Client Info		25 Jun 2024	03 Jun 2024	27 Mar 2024
Machine Age	hrs	Client Info		1528	1380	960
Oil Age	hrs	Client Info		0	0	960
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	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 D5185m	>50	6	<u>▲</u> 52	45
Chromium	ppm	ASTM D5185m	>5	2	4	<1
Nickel	ppm	ASTM D5185m	>4	<1	2	2
Titanium	ppm	ASTM D5185m	>5	<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	6	6	6
Lead	ppm	ASTM D5185m	>40	5	11	2
Copper	ppm	ASTM D5185m	>150	9	2	9
Tin	ppm	ASTM D5185m	>4	1	2	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	14	4	9
Barium	ppm	ASTM D5185m	5	2	2	0
Molybdenum	ppm	ASTM D5185m	50	69	60	53
Manganese	ppm	ASTM D5185m	0	9	1	9
Magnesium	ppm	ASTM D5185m	560	839	536	711
Calcium	ppm	ASTM D5185m	1510	1961	1893	1404
Phosphorus	ppm	ASTM D5185m	780	997	806	749
Zinc	ppm	ASTM D5185m	870	1233	1055	986
Sulfur	ppm	ASTM D5185m	2040	3230	2912	2702
CONTAMINAN	TS	method	limit/base	current	history1	history2
CONTAMINAN [®] Silicon	TS ppm	method ASTM D5185m		current 17	<mark>history1</mark> 18	history2 20
	ppm		>25			
Silicon	ppm	ASTM D5185m	>25		18	20
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>25	17 7	18 11	20 4
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	17 7 4	18 11 4	20 4 4
Silicon Sodium Potassium INFRA-RED	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>25 >20 limit/base	17 7 4 current	18 11 4 history1	20 4 4 history2
Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>25 >20 limit/base	17 7 4 current 0	18 11 4 <u>history1</u> 0.1	20 4 4 history2 0
Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >20	17 7 4 <u>current</u> 0 11.6	18 11 4 history1 0.1 12.1	20 4 4 history2 0 12.4
Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >20 >30 limit/base	17 7 4 <u>current</u> 0 11.6 26.0	18 11 4 history1 0.1 12.1 26.5	20 4 4 history2 0 12.4 23.8



OIL ANALYSIS REPORT







Feb13/24

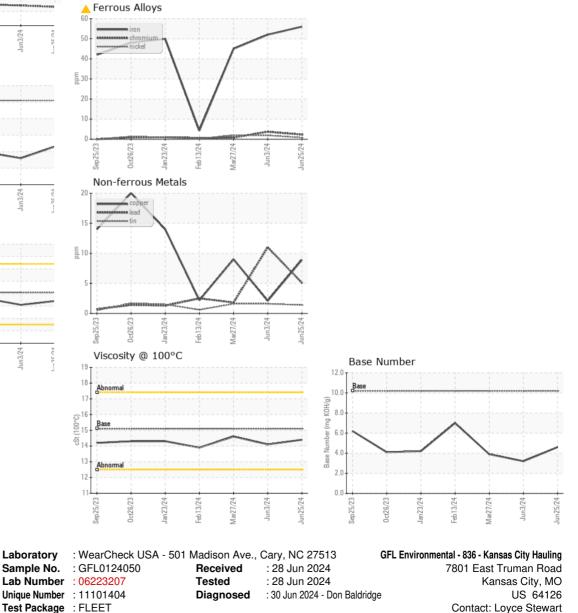
Mar27/24

Sep25/23

0ct26/23

Jan 23/24

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.1	14.6
GRAPHS						



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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Jun3/24

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