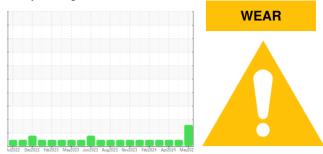


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

731122 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

🔺 Wear

Piston, ring and cylinder wear is indicated.

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	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0120186	GFL0120172	GFL0117193
Sample Date		Client Info		21 May 2024	16 May 2024	18 Apr 2024
Machine Age	hrs	Client Info		4612	4605	4467
Oil Age	hrs	Client Info		0	0	1200
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	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 D5185m	>50	6 55	13	12
Chromium	ppm	ASTM D5185m	>4	4	1	<1
Nickel	ppm	ASTM D5185m	>2	2	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>9	<u> </u>	3	2
Lead	ppm	ASTM D5185m	>30	11	1	0
Copper	ppm	ASTM D5185m	>35	5	2	2
Tin	ppm	ASTM D5185m	>4	3	<1	<1
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	9	19	10
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	67	56	56
Manganese	ppm	ASTM D5185m	0	4	<1	<1
Magnesium	ppm	ASTM D5185m	560	727	541	605
Calcium	ppm	ASTM D5185m	1510	1932	1692	1734
Phosphorus	ppm	ASTM D5185m	780	924	879	790
Zinc	ppm	ASTM D5185m	870	1187	1059	1056
Sulfur	ppm	ASTM D5185m	2040	3123	2946	2961
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	14	5	4
Sodium	ppm	ASTM D5185m		5	7	6
Potassium	ppm	ASTM D5185m	>20	23	3	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.6	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.8	21.0	22.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Ale e / dueses	*ASTM D7414	>25	00.4	17.0	18.4
Oxidation	Abs/.1mm	ASTIVI D7414	>20	20.1	17.0	10.4

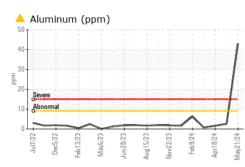


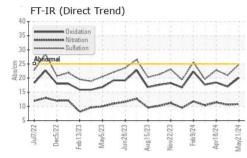
OIL ANALYSIS REPORT

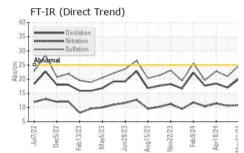
VISUAL

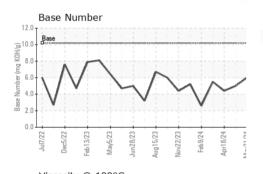
White Metal

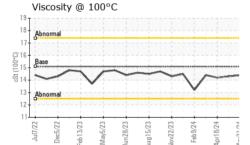
40













Laboratory Sample No. Lab Number : 06188963 Unique Number : 11045715 Certificate 12367

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	NONE
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	14.3	14.2
GRAPHS						
Ferrous Alloys						
70 T						
iron						
60 - iron ARREALAND Chromium	٨					

limit/base

NONE

current

NONE

history1

NONE

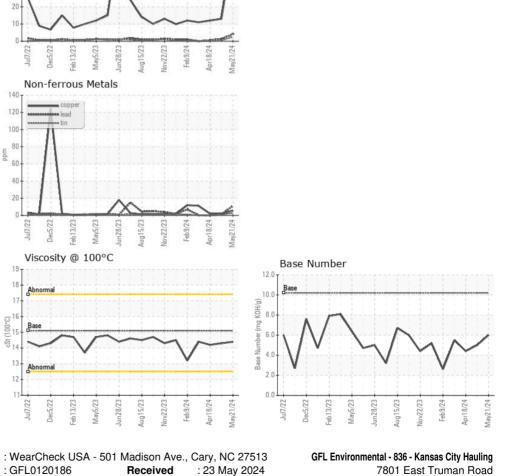
history2

NONE

method

*Visual

scalar



: 24 May 2024

Diagnosed : 28 May 2024 - Don Baldridge Test Package : FLEET 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)

Tested

Report Id: GFL836 [WUSCAR] 06188963 (Generated: 05/28/2024 14:11:26) Rev: 1

Contact/Location: GFL823,834,836,837,840 - Loyce Stewart - GFL836

Kansas City, MO

Contact: Loyce Stewart

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US 64126

T:

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