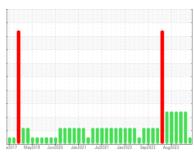


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 2618C Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (12 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

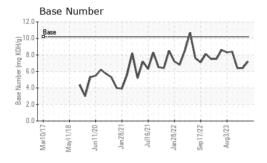
Fluid Condition

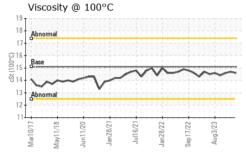
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(12 GAL)		w2017 May20	18 Jun2020 Jan2021	Jul2021 Jan2022 Sep2022	Aug2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112933	GFL0098153	GFL0098122
Sample Date		Client Info		21 Mar 2024	13 Feb 2024	04 Dec 2023
Machine Age	hrs	Client Info		10732	10732	10732
Oil Age	hrs	Client Info		284	501	582
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	8	13
Chromium	ppm	ASTM D5185m	>4	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>9	2	2	3
Lead	ppm	ASTM D5185m	>30	<1	2	6
Copper	ppm	ASTM D5185m	>35	<1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	8	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	53	52	63
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	567	562	559
Calcium	ppm	ASTM D5185m	1510	1605	1510	1571
Phosphorus	ppm	ASTM D5185m	780	745	722	700
Zinc	ppm	ASTM D5185m	870	978	995	1031
Sulfur	ppm	ASTM D5185m	2040	2423	2591	2659
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	9	10	16
Sodium	ppm	ASTM D5185m		52	<u>▲</u> 112	<u>^</u> 295
Potassium	ppm	ASTM D5185m	>20	261	△ 395	▲ 603
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.6	11.4	11.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	22.0	22.7
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	17.9	18.2
Base Number (BN)	mg KOH/g			7.2	6.4	6.4
(= • •)	39					



OIL ANALYSIS REPORT



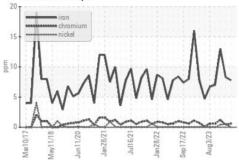


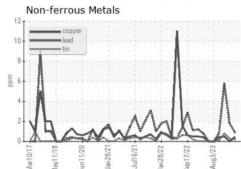
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

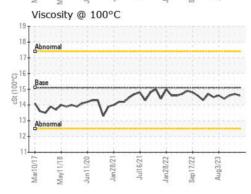
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.7	14.6

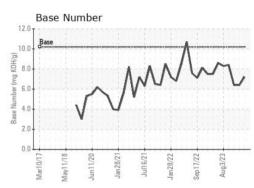
GRAPHS

Ferrous Alloys













Certificate L2367

Laboratory Sample No. Lab Number : 06126215 Unique Number : 10940366

Test Package : FLEET

: GFL0112933

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed

: 22 Mar 2024 : 24 Mar 2024 : 24 Mar 2024 - Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC US 27703

Contact: bill.waring@wearcheck.com

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.

T: (919)596-1363 F: (919)598-1852

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)