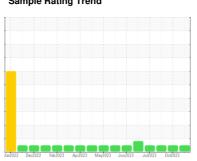


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **810014**

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (-

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

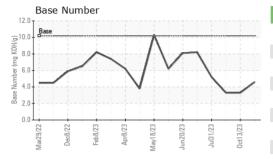
Fluid Condition

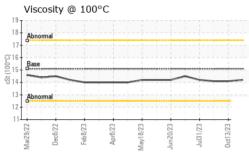
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(GAL)						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083173	GFL0083138	GFL0083127
Sample Date		Client Info		13 Nov 2023	13 Oct 2023	16 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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	27	16	10
Chromium	ppm	ASTM D5185m	>4	2	2	<1
Nickel	ppm	ASTM D5185m	>2	1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	6	4	3
Lead	ppm	ASTM D5185m	>30	6	3	0
Copper	ppm	ASTM D5185m	>35	3	3	0
Tin	ppm	ASTM D5185m	>4	1	2	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	4	11	11
Barium	ppm	ASTM D5185m	5	0	10	0
Molybdenum	ppm	ASTM D5185m	50	73	87	76
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	560	824	781	692
Calcium	ppm	ASTM D5185m	1510	1581	2139	1963
Phosphorus	ppm	ASTM D5185m	780	947	969	786
Zinc	ppm	ASTM D5185m	870	1204	1289	1224
Sulfur	ppm	ASTM D5185m	2040	2952	3597	3858
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	16	6	3
Sodium	ppm	ASTM D5185m		6	25	4
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.2	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.5	11.9	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7	24.3	21.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	19.7	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		4.6	3.3	3.3
	39					



OIL ANALYSIS REPORT

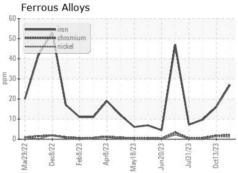


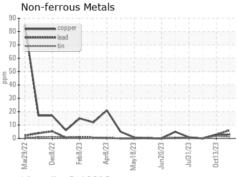


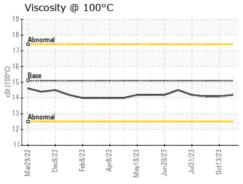
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

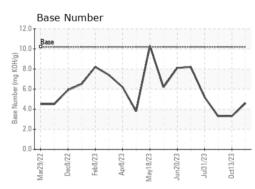
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.2	14.1	14.1

GRAPHS













Certificate L2367

Laboratory

Sample No. Lab Number Unique Number : 10751132 Test Package : FLEET

: GFL0083173 : 06011988

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Nov 2023 Diagnosed : 21 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 074 - Douglas - Transwaste

1219 Landfill Road Douglas, GA US 31533

Contact: CURTIS JACOBS

CURTIS.JACOBS@GFLENV.COM T: (912)384-6001

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)