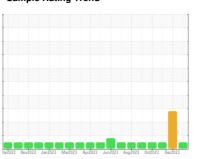


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **731114**

Component **Natural Gas Engine**

PETRO CANADA DURON GEO LD 15W40 (--- 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.

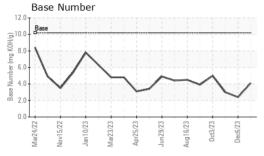
(GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099983	GFL0099975	GFL0095181
Sample Date		Client Info		13 Dec 2023	06 Dec 2023	07 Nov 2023
Machine Age	hrs	Client Info		6612	6565	6397
Oil Age	hrs	Client Info		1200	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	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	44	▲ 102	9
Chromium	ppm	ASTM D5185m	>4	<1	<u> </u>	<1
Nickel	ppm	ASTM D5185m	>2	<1	5	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	5	14	2
Lead	ppm	ASTM D5185m	>30	0	11	6
Copper	ppm	ASTM D5185m	>35	13	3	2
Tin	ppm	ASTM D5185m	>4	2	2	<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	10	8	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	51	76	55
Manganese	ppm	ASTM D5185m	0	12	4	<1
Magnesium	ppm	ASTM D5185m	560	736	654	598
Calcium	ppm	ASTM D5185m	1510	1304	1867	1602
Phosphorus	ppm	ASTM D5185m	780	662	827	766
Zinc	ppm	ASTM D5185m	870	946	1072	1025
Sulfur	ppm	ASTM D5185m	2040	2276	2499	2518
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	26	55	5
Sodium	ppm	ASTM D5185m		4	14	7
Potassium	ppm	ASTM D5185m	>20	7	5	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	12.1	13.1	11.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	28.4	26.0
FLUID DEGRAD	ΙΔΤΙΩΝ	method	limit/base	current	history1	history2
	AHON	memou		Current	Thotory	111010192
Oxidation	Abs/.1mm	*ASTM D7414		20.4	25.0	20.8

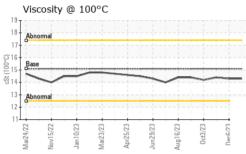
Base Number (BN) mg KOH/g ASTM D2896 10.2 4.1

△ 2.4 3.0



OIL ANALYSIS REPORT

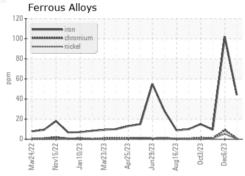


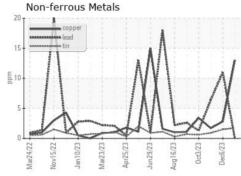


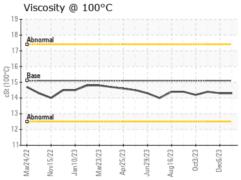
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

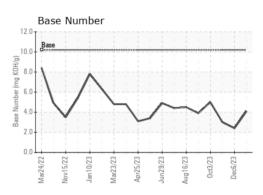
FLUID PROPE	RHES	method	ilmivbase		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.3	14.4

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0099983 : 06037484

: 10792713

Recieved : 18 Dec 2023 Diagnosed : 19 Dec 2023 Diagnostician : Wes Davis

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road

Kansas City, MO US 64126

Contact: Robert Hart rhart@gflenv.com T: (580)461-1509

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)