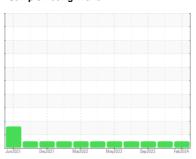


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **431001**

Component **Natural Gas Engine**

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

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

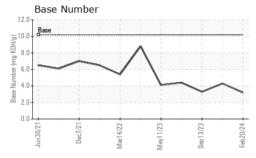
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

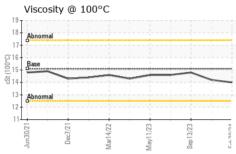
(LTR)		Jun2021	Dec2021 Mar2022	May2023 Sep2023	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0096011	GFL0095995	GFL0071730
Sample Date		Client Info		20 Feb 2024	23 Jan 2024	13 Sep 2023
Machine Age	hrs	Client Info		6401	6225	5431
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	7	6	19
Chromium	ppm	ASTM D5185m	>4	2	<1	4
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	4
Lead	ppm	ASTM D5185m	>30	4	2	11
Copper	ppm	ASTM D5185m	>35	2	2	6
Tin	ppm	ASTM D5185m	>4	<1	1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	6	10	11
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	54	46	62
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	560	598	543	702
Calcium	ppm	ASTM D5185m	1510	1522	1568	2065
Phosphorus	ppm	ASTM D5185m	780	767	663	966
Zinc	ppm	ASTM D5185m	870	990	883	1232
Sulfur	ppm	ASTM D5185m	2040	2388	2128	3263
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	4	8
Sodium	ppm	ASTM D5185m		7	6	11
Potassium	ppm	ASTM D5185m	>20	<1	<1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.0	10.9	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	24.0	30.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	19.9	25.3
D 11 (D1)	1/011/	10TH D0000	100		4.0	

Base Number (BN) mg KOH/g ASTM D2896 10.2 3.2



OIL ANALYSIS REPORT

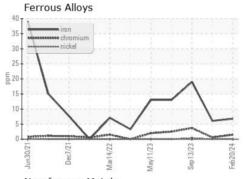


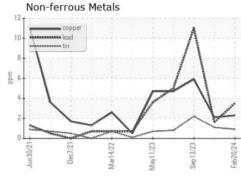


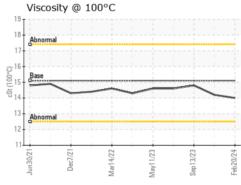
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

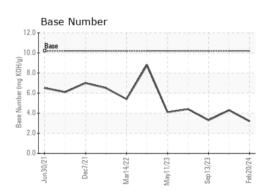
FLUID PROP	EKIIES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.1	14.0	14.2	14.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number : 06096084 Unique Number: 10888937

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0096011

Received **Tested**

Diagnosed

: 22 Feb 2024 : 22 Feb 2024 - Wes Davis

: 21 Feb 2024

GFL Environmental - 883 - Orange City

1378 South Volusia Ave Orange City, FL US 32763

Contact: Kenneth Pearce kpearce@gflenv.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.

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

Report Id: GFL883 [WUSCAR] 06096084 (Generated: 02/22/2024 15:11:30) Rev: 1

T:

F: