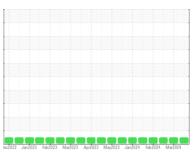


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **933024**

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.

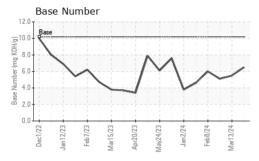
LTR)		lec2022 Jan20	23 Feb2023 Mar2023 Ap	r2023 May2023 Jan2024 Feb2024	Mar2024	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114008	GFL0114025	GFL0109810
Sample Date		Client Info		29 Mar 2024	13 Mar 2024	26 Feb 2024
	hrs	Client Info		2850	2170	2573
Ü	hrs	Client Info		0	0	1200
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	7	15	14
Chromium	ppm	ASTM D5185m	>4	<1	<1	2
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	5
Lead	ppm	ASTM D5185m	>30	<1	<1	<1
	ppm	ASTM D5185m	>35	<1	16	2
	ppm	ASTM D5185m	>4	1	0	<1
	ppm	ASTM D5185m		<1	0	0
	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	21	12	21
	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	49	54	76
	ppm	ASTM D5185m	0	<1	<1	1
	ppm	ASTM D5185m	560	600	536	839
-	ppm	ASTM D5185m	1510	1701	1534	2453
	ppm	ASTM D5185m	780	848	760	1167
	ppm	ASTM D5185m	870	1048	931	1556
	ppm	ASTM D5185m	2040	3311	2487	4480
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	11	4	23
	ppm	ASTM D5185m		4	70	9
Potassium	ppm	ASTM D5185m	>20	2	21	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.1	10.2	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.6	20.3
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	17.0	16.7
Page Number (PNI)	ma 1/011/a	ACTM DOOGC	10.0	C E	EE	E 1

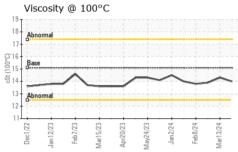
Base Number (BN) mg KOH/g ASTM D2896 10.2

6.5



OIL ANALYSIS REPORT

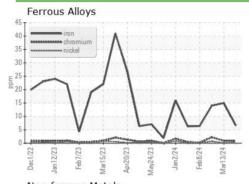


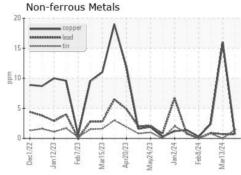


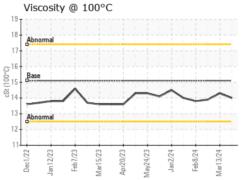
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

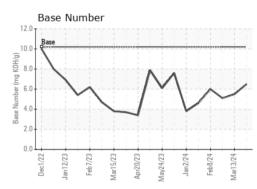
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.0	14.3	13.9

GRAPHS













Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: GFL0114008 Lab Number : 06136863 Unique Number: 10956328

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

: 02 Apr 2024 : 03 Apr 2024 Diagnosed

: 03 Apr 2024 - Wes Davis

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

Kansas City, MO US 64126

Contact: Loyce Stewart loyce.stewart@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)

T:

F: