

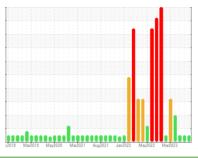
OIL ANALYSIS REPORT

(YA133456) [0111060] 10640C

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (36 QTS)



Sample Rating Trend



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

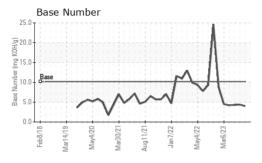
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

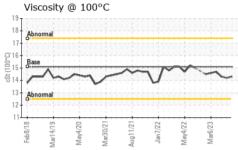
30 Q10)		32018 Mar20	19 May2020 Mar2021	Aug2021 Jan2022 May2022 1	Mar2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111060	GFL0098517	GFL0098500
Sample Date		Client Info		06 Mar 2024	18 Dec 2023	04 Dec 2023
Machine Age	hrs	Client Info		20445	19825	19789
Oil Age	hrs	Client Info		620	3003	2967
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	14	19	20
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	6	2
Lead	ppm	ASTM D5185m	>30	2	<1	0
Copper	ppm	ASTM D5185m	>35	2	2	3
Tin	ppm	ASTM D5185m	>4	2	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	183	9
Barium	ppm	ASTM D5185m	5	2	0	8
Molybdenum	ppm	ASTM D5185m	50	55	122	61
Manganese	ppm	ASTM D5185m	0	2	<1	2
Magnesium	ppm	ASTM D5185m	560	579	756	570
Calcium	ppm	ASTM D5185m	1510	1561	1645	1706
Phosphorus	ppm	ASTM D5185m	780	766	724	714
Zinc	ppm	ASTM D5185m	870	993	942	987
Sulfur	ppm	ASTM D5185m	2040	2296	2782	2758
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	10	8	24
Sodium	ppm	ASTM D5185m		10	2	10
Potassium	ppm	ASTM D5185m	>20	22	10	26
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.2	11.5	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.4	22.1	21.3
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.4	18.6	18.1
Daga Number (DNI)	ma 1/011/a	ACTM DOOG	10.0	4.0	4.4	4.0

Base Number (BN) mg KOH/g ASTM D2896 10.2 4.0



OIL ANALYSIS REPORT

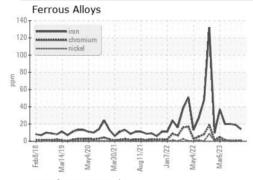


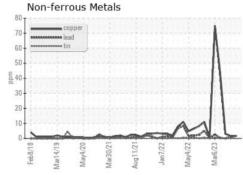


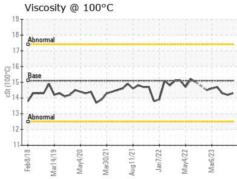
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

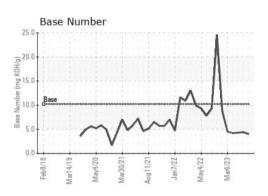
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.2	14.3

GRAPHS













Laboratory Sample No.

: GFL0111060 Lab Number : 06112680 Unique Number: 10916177

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Mar 2024 **Tested**

: 11 Mar 2024 : 11 Mar 2024 - Wes Davis Diagnosed

GFL Environmental - 006 - Wilmington

3618 US Highway 421 N Wilmington, NC

US 28401 Contact: Eric Wood eric.wood@gflenv.com

T: (717)723-1956 F: (910)762-6880

Test Package : FLEET Certificate L2367 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)