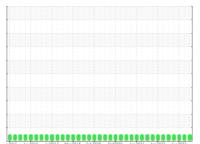


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **2617C** Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (12 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

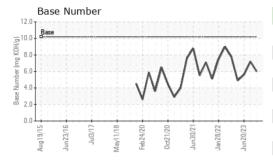
Fluid Condition

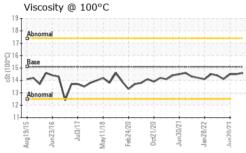
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(12 GAL) g2015 Jun2016 Ju2017 May2018 Feb2020 Ox2020 Jun2021 Jun2022 Jun2023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0098092	GFL0079603	GFL0083294
Sample Date		Client Info		01 Nov 2023	03 Aug 2023	20 Jun 2023
Machine Age	hrs	Client Info		11218	11218	11218
Oil Age	hrs	Client Info		689	225	520
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	10	9	4
Chromium	ppm	ASTM D5185m	>4	2	3	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	1	<1
Lead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>35	<1	0	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	13	23	15
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	54	47	49
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	560	567	578	546
Calcium	ppm	ASTM D5185m	1510	1581	1596	1610
Phosphorus	ppm	ASTM D5185m	780	692	771	723
Zinc	ppm	ASTM D5185m	870	973	973	946
Sulfur	ppm	ASTM D5185m	2040	2869	2970	2855
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	4	4
Sodium	ppm	ASTM D5185m		1	6	6
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.2	8.7	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	19.5	21.6
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	16.4	18.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.0	7.2	5.6



OIL ANALYSIS REPORT

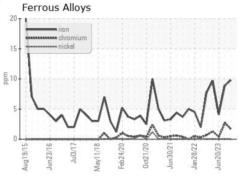


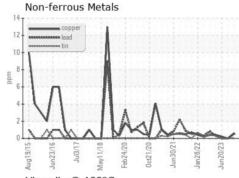


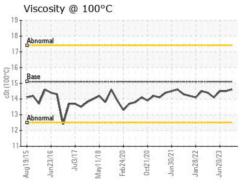
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

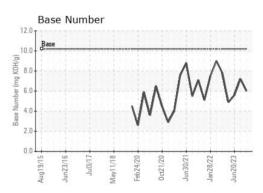
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.5	14.5

GRAPHS













Certificate L2367

Test Package : FLEET

Laboratory Sample No. Lab Number **Unique Number**

: GFL0098092 : 05997288

: 10725648

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Nov 2023 Diagnosed : 03 Nov 2023 Diagnostician

: Wes Davis

GFL Environmental - 017 - Durham 148 Stone Park Court

Durham, NC US 27703 Contact: Shane Parks

shane.parks@gflenv.com T: (919)596-1363

F: (919)598-1852

* - 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: GFL017 [WUSCAR] 05997288 (Generated: 11/03/2023 13:44:24) Rev: 1

Submitted By: Shane Parks