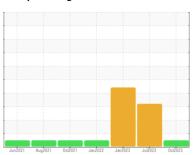


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **944030**

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

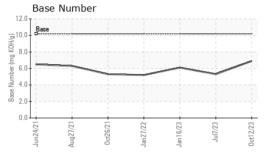
Fluid Condition

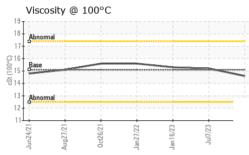
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

[111)		Jun2021	Aug2021 Oct2021	Jan2022 Jan2023 Jul2023	Oct2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094254	GFL0085404	GFL0066772
Sample Date		Client Info		12 Oct 2023	07 Jul 2023	16 Jan 2023
Machine Age	hrs	Client Info		21417	21388	20275
Oil Age	hrs	Client Info		29	20275	2280
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method			0.0	▲ 0.06
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	29	40
Chromium	ppm	ASTM D5185m	>4	1	2	2
Nickel	ppm	ASTM D5185m	>2	0	1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	6	<u>15</u>
Lead	ppm	ASTM D5185m	>30	<1	2	3
Copper	ppm	ASTM D5185m	>35	9	<u></u> 61	5
Tin	ppm	ASTM D5185m	>4	0	<1	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	20	2	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	55	63	61
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	610	514	528
Calcium	ppm	ASTM D5185m	1510	1557	1557	1537
Phosphorus	ppm	ASTM D5185m	780	891	599	757
Zinc	ppm	ASTM D5185m	870	990	919	924
Sulfur	ppm	ASTM D5185m	2040	2673	2661	3023
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	4	6
Sodium	ppm	ASTM D5185m		3	<u>^</u> 297	△ 280
Potassium	ppm	ASTM D5185m	>20	2	△ 96	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.4	12.4	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	23.3	26.4
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation						
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	19.7	24.4
Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 10.2	15.9 6.9	19.7 5.3	24.4 6.1



OIL ANALYSIS REPORT

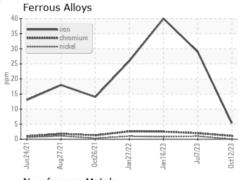


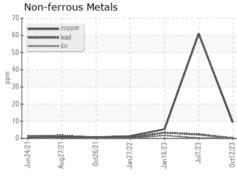


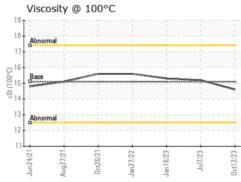
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

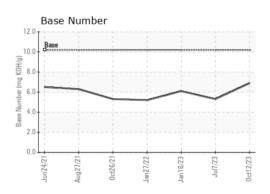
FLUID PROPI	ERITES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	15.2	15.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10698343 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0094254 : 05981048

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

Received Diagnosed

: 17 Oct 2023 : 17 Oct 2023 Diagnostician : Wes Davis

GFL Environmental - 882 - Gainesville

5002 SW 41st Blvd Gainesville, FL US 32608

Contact: ROBERT CLARK

robert.clark@gflenv.com T:

* - 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)

F: