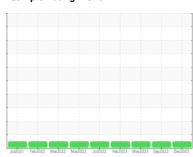


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **945011-260268**

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

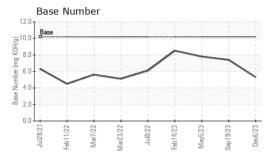
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

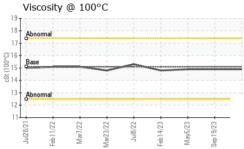
GAL)		Jul2021 Fel	2022 Mar2022 Mar2022	Jul2022 Feb2023 May2023 Sep20	23 Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092077	GFL0084586	GFL0078154
Sample Date		Client Info		06 Dec 2023	19 Sep 2023	05 May 2023
Machine Age	hrs	Client Info		1828	0	1196
Oil Age	hrs	Client Info		600	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	11	14	5
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		3	<1	1
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>35	<1	1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	9	11	34
Barium	ppm	ASTM D5185m	5	0	0	2
Molybdenum	ppm	ASTM D5185m	50	53	54	53
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	572	901	591
Calcium	ppm	ASTM D5185m	1510	1558	1351	1608
Phosphorus	ppm	ASTM D5185m	780	666	855	767
Zinc	ppm	ASTM D5185m	870	980	1089	962
Sulfur	ppm	ASTM D5185m	2040	2244	3243	2663
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	14	4
Sodium	ppm	ASTM D5185m		8	9	4
Potassium	ppm	ASTM D5185m	>20	2	11	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.3	9.0	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	19.4	19.6
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	17.5	16.5
D N 1 (510)	1/011/	4.0TI 4.D.0000	100		- 4	- 0

Base Number (BN) mg KOH/g ASTM D2896 10.2 5.3



OIL ANALYSIS REPORT

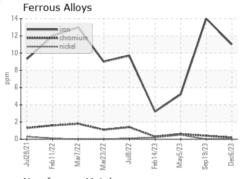


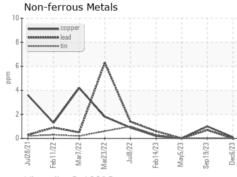


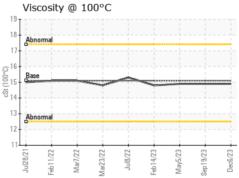
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

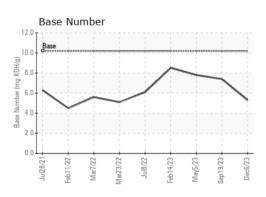
FLUID PROPE	RHES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.9	14.9	14.9

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10779708 Test Package : FLEET

: GFL0092077 : 06029917

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Dec 2023 : 12 Dec 2023 Diagnosed

Diagnostician : Wes Davis

GFL Environmental - 856 - Houston South 8515 Highway 6 South

Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@gflenv.com

* - 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: