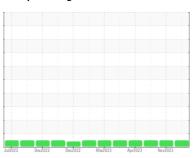


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **732017**

Component **Natural Gas Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: OIL SAMPLE)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

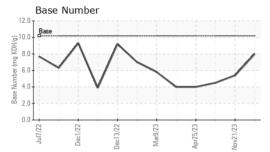
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

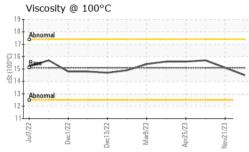
GAL)		Jul2022	Dec2022 Dec2022	Mar2023 Apr2023 N	ov2023	
SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092094	GFL0092047	GFL0084675
Sample Date		Client Info		02 Dec 2023	21 Nov 2023	08 Jun 2023
Machine Age	hrs	Client Info		37902	5569	37902
Oil Age	hrs	Client Info		37902	600	0
Oil Changed		Client Info		Not Changd	Changed	Changed
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	5	9	18
Chromium	ppm	ASTM D5185m	>4	<1	<1	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	1	2	2
_ead	ppm	ASTM D5185m	>30	0	1	8
Copper	ppm	ASTM D5185m	>35	<1	1	2
Γin	ppm	ASTM D5185m	>4	0	1	1
/anadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	39	10	12
Barium	ppm	ASTM D5185m	5	2	0	0
Molybdenum	ppm	ASTM D5185m	50	58	55	72
Manganese	ppm	ASTM D5185m	0	0	<1	2
Magnesium	ppm	ASTM D5185m	560	619	604	781
Calcium	ppm	ASTM D5185m	1510	1721	1651	2230
Phosphorus	ppm	ASTM D5185m	780	840	678	933
Zinc	ppm	ASTM D5185m	870	1020	998	1256
Sulfur	ppm	ASTM D5185m	2040	2956	2786	3291
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	4	6
Sodium	ppm	ASTM D5185m		6	3	8
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Vitration	Abs/cm	*ASTM D7624	>20	7.7	11.0	13.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	21.9	28.6
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	18.5	23.7
Page Number (PNI)	ma KOII/a	ACTM DOOR	10.2	9.0	E 1	15

Base Number (BN) mg KOH/g ASTM D2896 10.2 8.0



OIL ANALYSIS REPORT

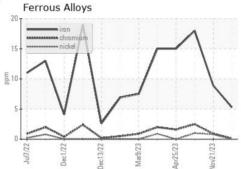


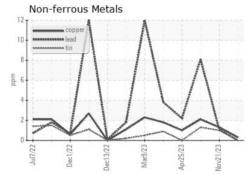


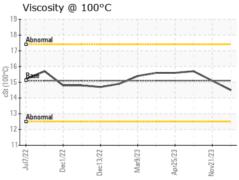
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

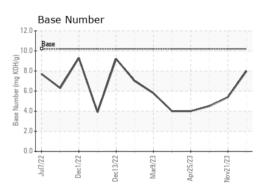
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	15.1	15.7

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10770088 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0092094 : 06025588

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

Received Diagnosed

: 05 Dec 2023 : 07 Dec 2023 Diagnostician : Sean Felton

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@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: