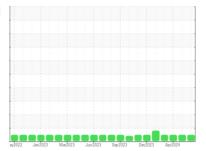


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **731118**

Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (--- 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.

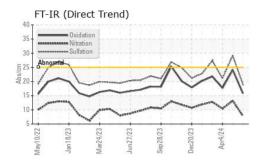
Fluid Condition

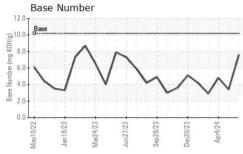
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

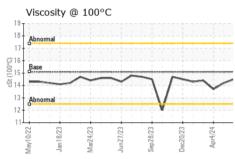
(GAL) w/2022 Jan2023 Mad023 Jun2023 Sup2023 Duc2023 Apr2024						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124039	GFL0117189	GFL0114001
Sample Date		Client Info		14 Jun 2024	18 Apr 2024	04 Apr 2024
Machine Age	hrs	Client Info		6896	6619	6546
Oil Age	hrs	Client Info		0	1200	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
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
Iron	ppm	ASTM D5185m	>50	7	28	6
Chromium	ppm	ASTM D5185m	>4	0	2	<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	4	4
Lead	ppm	ASTM D5185m	>30	0	23	2
Copper	ppm	ASTM D5185m	>35	0	3	8
Tin	ppm	ASTM D5185m	>4	0	2	<1
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	28	12	10
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	51	65	51
Manganese	ppm	ASTM D5185m	0	0	2	<1
Magnesium	ppm	ASTM D5185m	560	651	687	580
Calcium	ppm	ASTM D5185m	1510	1812	2044	1686
Phosphorus	ppm	ASTM D5185m	780	893	935	816
Zinc	ppm	ASTM D5185m	870	1060	1170	1017
Sulfur	ppm	ASTM D5185m	2040	3204	3004	3051
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	3	7	7
Sodium	ppm	ASTM D5185m		6	9	2
Potassium	ppm	ASTM D5185m	>20	2	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	7.8	13.2	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	29.2	21.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	24.1	17.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.6	3.4	4.8



OIL ANALYSIS REPORT



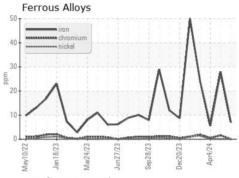


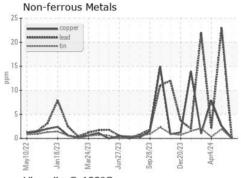


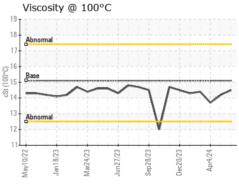
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

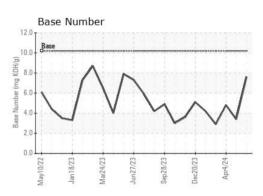
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.2	13.7

GRAPHS













Certificate 12367

Laboratory Sample No. Unique Number : 11086076

Lab Number : 06213212

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0124039

Received **Tested** Test Package : FLEET

: 18 Jun 2024 : 19 Jun 2024 Diagnosed

: 19 Jun 2024 - Wes Davis

GFL Environmental - 836 - Kansas City Hauling

7801 East Truman Road Kansas City, MO US 64126

Contact: Loyce Stewart loyce.stewart@gflenv.com

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)

Report Id: GFL836 [WUSCAR] 06213212 (Generated: 06/21/2024 18:59:48) Rev: 1

Contact/Location: GFL823,834,836,837,840 - Loyce Stewart - GFL836

T:

F: