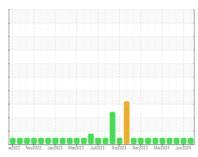


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **731119**

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.

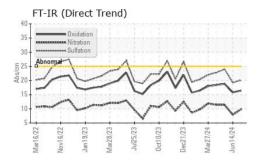
GAL)		ar2022 Nov20	22 Jan 2023 Mar 2023 J	ul2023 Oct2023 Dec2023 Mar202	4 Jun2024	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124106	GFL0124041	GFL0120171
Sample Date		Client Info		11 Jul 2024	14 Jun 2024	24 May 2024
	hrs	Client Info		8154	7959	7526
ŭ	hrs	Client Info		0	0	1200
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	6	15
Chromium	ppm	ASTM D5185m	>4	<1	0	2
Nickel	ppm	ASTM D5185m	>2	0	0	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	1
Aluminum	ppm	ASTM D5185m	>9	3	<1	2
Lead	ppm	ASTM D5185m	>30	<1	0	4
	ppm	ASTM D5185m	>35	0	0	1
	ppm	ASTM D5185m	>4	0	0	1
	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	17	26	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	50	51	54
Manganese	ppm	ASTM D5185m	0	0	0	1
Magnesium	ppm	ASTM D5185m	560	582	638	553
Calcium	ppm	ASTM D5185m	1510	1554	1834	1696
Phosphorus	ppm	ASTM D5185m	780	719	887	806
	ppm	ASTM D5185m	870	998	1059	1049
	ppm	ASTM D5185m	2040	2326	3232	3171
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	3	6
	ppm	ASTM D5185m		6	5	8
Potassium	ppm	ASTM D5185m	>20	2	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.8	7.9	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	19.2	24.0
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	15.8	18.8
Dogs Number (DNI)	m = 1/011/=	ACTAA DOOOC	100	6.0	7 1	4.0

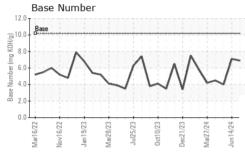
Base Number (BN) mg KOH/g ASTM D2896 10.2

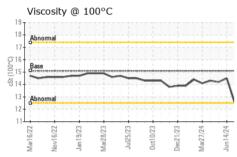
6.9

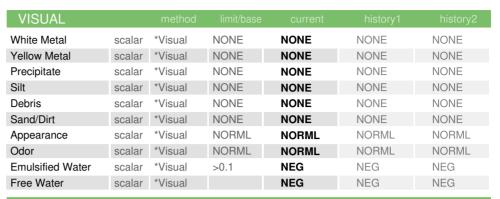


OIL ANALYSIS REPORT



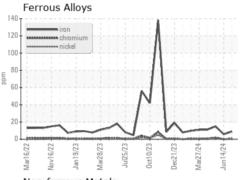


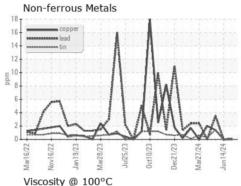


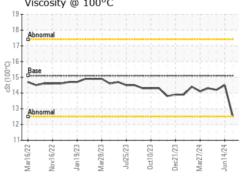


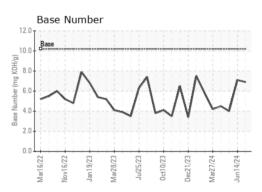
FLUID PROPI	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.1	12.5	14.5	14.2

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06237588 Unique Number : 11126422

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0124106

Test Package : FLEET

Tested Diagnosed

Received : 16 Jul 2024 : 17 Jul 2024

: 17 Jul 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] 06237588 (Generated: 07/17/2024 08:48:27) Rev: 1

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

T:

F: