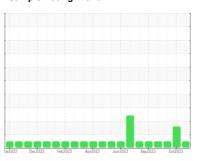


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



731115 Component

Natural Gas Engine

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

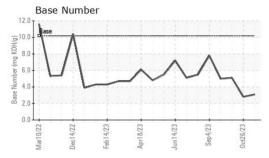
Fluid Condition

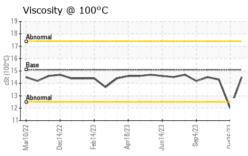
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(GAL)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099937	GFL0095102	GFL0090710
Sample Date		Client Info		17 Nov 2023	26 Oct 2023	01 Oct 2023
Machine Age	hrs	Client Info		6140	5995	5820
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	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	18	29	14
Chromium	ppm	ASTM D5185m	>4	2	1	1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	5	7
Lead	ppm	ASTM D5185m	>30	11	11	1
Copper	ppm	ASTM D5185m	>35	3	14	3
Tin	ppm	ASTM D5185m	>4	1	2	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	9	7	14
Barium	ppm	ASTM D5185m	5	0	4	0
Molybdenum	ppm	ASTM D5185m	50	63	51	52
Manganese	ppm	ASTM D5185m	0	1	4	<1
Magnesium	ppm	ASTM D5185m	560	694	775	600
Calcium	ppm	ASTM D5185m	1510	1850	1160	1495
Phosphorus	ppm	ASTM D5185m	780	855	724	695
Zinc	ppm	ASTM D5185m	870	1123	861	910
Sulfur	ppm	ASTM D5185m	2040	2583	2015	2333
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	78	18
Sodium	ppm	ASTM D5185m		9	8	3
Potassium	ppm	ASTM D5185m	>20	0	8	28
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.6	13.0	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.0	26.9	20.2
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.7	25.2	17.8
Base Number (BN)	mg KOH/g	ASTM D2896		3.1	<u>^</u> 2.8	5.1
	0 - 0					



OIL ANALYSIS REPORT

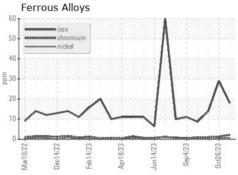


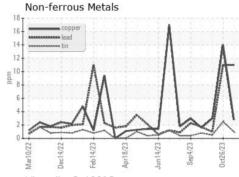


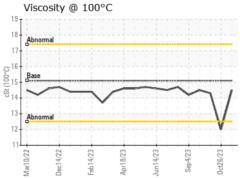
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

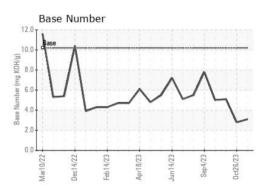
FLUID PROPE	RHES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	<u> </u>	14.3

GRAPHS













Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: GFL0099937 : 06015626 : 10754770

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

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

: 22 Nov 2023 : 26 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 836 - Kansas City Hauling

7801 East Truman Road Kansas City, MO US 64126

Contact: Robert Hart rhart@gflenv.com T: (580)461-1509

* - 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] 06015626 (Generated: 11/26/2023 15:46:04) Rev: 1

Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836