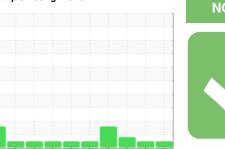


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **732027** Component **Natural Gas Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

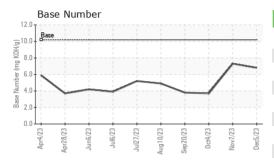
GLO LD 131140	(GAL)	Apr2023 Apr2	023 Jun2023 Jul2023 Jul2	023 Aug2023 Sep2023 Oct2023 Nov	2023 Dec2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099911	GFL0095183	GFL0095149
Sample Date		Client Info		05 Dec 2023	07 Nov 2023	04 Oct 2023
Machine Age	hrs	Client Info		1588	1444	1243
Oil Age	hrs	Client Info		0	0	1200
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
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
Iron	ppm	ASTM D5185m	>50	2	10	▲ 73
Chromium	ppm	ASTM D5185m	>5	<1	<1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	2
Titanium	ppm	ASTM D5185m	>5	0	<1	2
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	12
Lead	ppm	ASTM D5185m	>40	0	<1	3
Copper	ppm	ASTM D5185m	>150	<1	2	12
Tin	ppm	ASTM D5185m	>4	0	<1	2
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	33	36	10
Barium	ppm	ASTM D5185m	5	3	0	0
Molybdenum	ppm	ASTM D5185m	50	48	51	62
Manganese	ppm	ASTM D5185m	0	0	1	6
Magnesium	ppm	ASTM D5185m	560	492	591	763
Calcium	ppm	ASTM D5185m	1510	1482	1524	1639
Phosphorus	ppm	ASTM D5185m	780	733	830	799
Zinc	ppm	ASTM D5185m	870	895	1024	1107
Sulfur	ppm	ASTM D5185m	2040	2565	2581	2592
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	22
Sodium	ppm	ASTM D5185m		2	<1	6
Potassium	ppm	ASTM D5185m	>20	2	3	19
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.0	8.5	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	19.7	26.2
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	16.7	22.2
Doos Number (DNI)	I/OII/-	ACTAI DOOOC	100	6.0	7.0	0.7

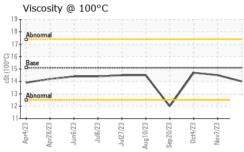
6.8

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



OIL ANALYSIS REPORT

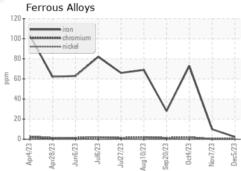


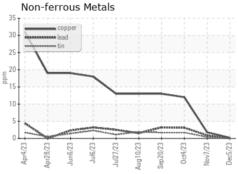


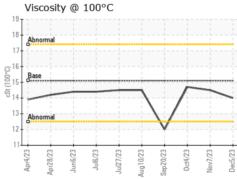
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

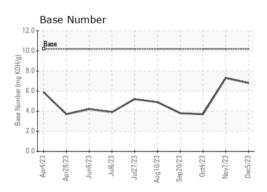
FLUID PROPE	ERITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.0	14.5	14.7

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10778895 Test Package : FLEET

: 06029104

: GFL0099911

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Dec 2023 Diagnosed : 09 Dec 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)

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