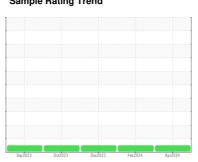


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 933004

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (5 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 oil.

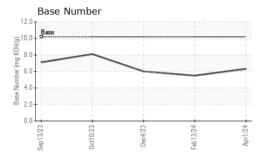
Fluid Condition

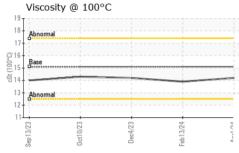
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Number Client Info GFL011 Sample Date Client Info 01 Apr 2 Machine Age hrs Client Info 0 Oil Age hrs Client Info 457 Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	2024 13 Feb 2024 04 Dec 2023 0 0 459 510 N/A N/A AL NORMAL NORMAL
Sample Date Client Info 01 Apr 2 Machine Age hrs Client Info 0 Oil Age hrs Client Info 457 Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	2024 13 Feb 2024 04 Dec 2023 0 0 459 510 N/A N/A AL NORMAL NORMAL
Machine Age hrs Client Info 0 Oil Age hrs Client Info 457 Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	0 0 459 510 N/A N/A NORMAL NORMAL
Machine Age hrs Client Info 0 Oil Age hrs Client Info 457 Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	459 510 N/A N/A NORMAL NORMAL
Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	N/A N/A NORMAL NORMAL
Oil Changed Client Info N/A Sample Status NORMA CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	AL NORMAL NORMAL
Sample Status CONTAMINATION method limit/base cur Water WC Method >0.1 NEG	
Water WC Method >0.1 NEG	
	rrent history1 history2
WEAR METALS method limit/base cur	NEG NEG
	rrent history1 history2
lron ppm ASTM D5185m >50 2	2 3
Chromium ppm ASTM D5185m >4 0	0 <1
Nickel ppm ASTM D5185m >2 0	<1 <1
Titanium ppm ASTM D5185m 0	0 0
Silver ppm ASTM D5185m >3 0	0 0
Aluminum ppm ASTM D5185m >9 1	2 2
Lead ppm ASTM D5185m >30 <1	<1 <1
Copper ppm ASTM D5185m >35 <1	0 <1
Tin ppm ASTM D5185m >4 <1	<1 1
Vanadium ppm ASTM D5185m 0	0 0
Cadmium ppm ASTM D5185m 0	0 0
ADDITIVES method limit/base cur	rrent history1 history2
Boron ppm ASTM D5185m 50 19	15 16
Barium ppm ASTM D5185m 5 0	0 0
Molybdenum ppm ASTM D5185m 50 46	47 50
Manganese ppm ASTM D5185m 0 <1	<1 <1
Magnesium ppm ASTM D5185m 560 563	551 595
Calcium ppm ASTM D5185m 1510 1538	1496 1528
Phosphorus ppm ASTM D5185m 780 764	730 822
Zinc ppm ASTM D5185m 870 922	948 1002
Sulfur ppm ASTM D5185m 2040 2721	2463 2572
CONTAMINANTS method limit/base cur	rrent history1 history2
Silicon ppm ASTM D5185m >+100 5	7 8
Sodium ppm ASTM D5185m 5	5 4
Potassium ppm ASTM D5185m >20 0	<1 <1
INFRA-RED method limit/base cur	rrent history1 history2
	0 0
	100
Soot % % *ASTM D7844 0	10.0 9.7
Soot % % *ASTM D7844 0 Nitration Abs/cm *ASTM D7624 >20 9.6	10.0 9.7 19.7 19.5
Soot % % *ASTM D7844 0 Nitration Abs/cm *ASTM D7624 >20 9.6 Sulfation Abs/.1mm *ASTM D7415 >30 19.5	
Soot % % *ASTM D7844 0 Nitration Abs/cm *ASTM D7624 >20 9.6 Sulfation Abs/.1mm *ASTM D7415 >30 19.5	19.7 19.5



OIL ANALYSIS REPORT

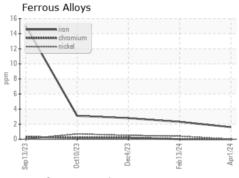


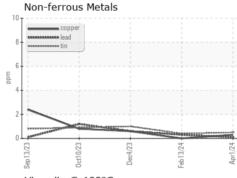


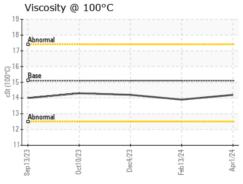
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

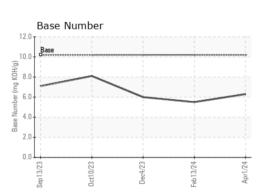
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.2	13.9	14.2

GRAPHS













Certificate L2367

Laboratory Sample No.

: GFL0112940 Lab Number : 06137088 Unique Number: 10956553 Test Package : FLEET

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

: 03 Apr 2024 : 03 Apr 2024 : 03 Apr 2024 - Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC

US 27703 Contact:

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

bill.waring@wearcheck.com T: (919)596-1363 F: (919)598-1852

* - 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)