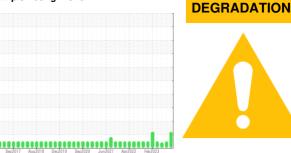


OIL ANALYSIS REPORT

Sample Rating Trend



10582C AUTOCAR ACX

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (28 QTS)

DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life, recommend schedule an oil change. 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.

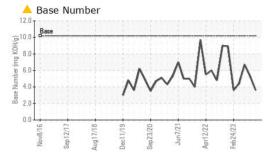
Fluid Condition

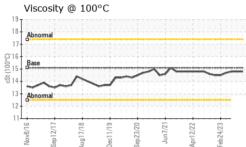
The BN level is low. The condition of the oil is acceptable for the time in service.

28 QTS)	v2016 Step2017 Aug2018 Dec2019 Step2020 Just2021 Apc2022 Feb:2023					
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103252	GFL0056736	GFL0087130
Sample Date		Client Info		03 Jan 2024	20 Sep 2023	18 Jul 2023
Machine Age	hrs	Client Info		4896	4237	4020
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	14	12	13
Chromium	ppm	ASTM D5185m	>4	3	2	2
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	0	5
_ead	ppm	ASTM D5185m	>30	8	<1	<1
Copper	ppm	ASTM D5185m	>35	1	2	<1
Γin	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	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	8	12
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	51	52	51
Manganese	ppm	ASTM D5185m	0	<1	1	4
	ppiii	ASTIVI DSTOSIII	O		I	<1
Magnesium	ppm	ASTM D5185m	560	574	574	510
J			·			
Calcium	ppm	ASTM D5185m	560	574	574	510
Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m	560 1510	574 1550	574 1677	510 1529
Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	560 1510 780	574 1550 727	574 1677 703	510 1529 716
Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	560 1510 780 870	574 1550 727 974	574 1677 703 970	510 1529 716 924
Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	560 1510 780 870 2040	574 1550 727 974 2303	574 1677 703 970 2848	510 1529 716 924 2385
Calcium Phosphorus Zinc Sulfur CONTAMINAN [*] Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	560 1510 780 870 2040	574 1550 727 974 2303 current	574 1677 703 970 2848 history1	510 1529 716 924 2385 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	560 1510 780 870 2040 Iimit/base >+100	574 1550 727 974 2303 current	574 1677 703 970 2848 history1	510 1529 716 924 2385 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	560 1510 780 870 2040 Iimit/base >+100	574 1550 727 974 2303 current 8 7	574 1677 703 970 2848 history1 14	510 1529 716 924 2385 history2 17
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	560 1510 780 870 2040 limit/base >+100	574 1550 727 974 2303 current 8 7	574 1677 703 970 2848 history1 14 9	510 1529 716 924 2385 history2 17 4
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm TS ppm ppm	ASTM D5185m	560 1510 780 870 2040 limit/base >+100 >20	574 1550 727 974 2303 current 8 7 1	574 1677 703 970 2848 history1 14 9 2 history1	510 1529 716 924 2385 history2 17 4 2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m	560 1510 780 870 2040 Iimit/base >+100 >20 Iimit/base	574 1550 727 974 2303 current 8 7 1	574 1677 703 970 2848 history1 14 9 2 history1	510 1529 716 924 2385 history2 17 4 2 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	560 1510 780 870 2040 Iimit/base >+100 >20 Iimit/base	574 1550 727 974 2303	574 1677 703 970 2848 history1 14 9 2 history1 0 11.3	510 1529 716 924 2385 history2 17 4 2 history2 0.1 9.5
Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7415	560 1510 780 870 2040 Iimit/base >+100 >20 Iimit/base	574 1550 727 974 2303 current 8 7 1 current 0 11.6 24.5	574 1677 703 970 2848 history1 14 9 2 history1 0 11.3 23.9	510 1529 716 924 2385 history2 17 4 2 history2 0.1 9.5 19.6



OIL ANALYSIS REPORT



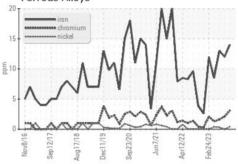


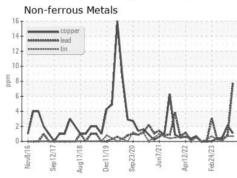
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual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

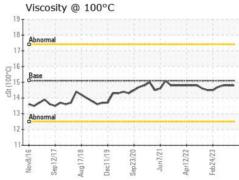
FLUID PROP	EHIIES	method	iiiiii/base	current	riistory i	HIStory
Visc @ 100°C	cSt	ASTM D445	15.1	14.8	14.8	14.8

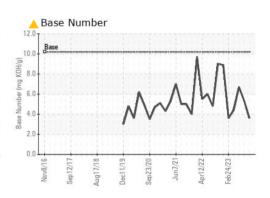
GRAPHS

Ferrous Alloys













Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0103252 : 06050683

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

: 10816632

Recieved : 04 Jan 2024 Diagnosed : 04 Jan 2024 Diagnostician : Don Baldridge GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com T: (919)662-7100

* - 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)

F: (919)662-7130