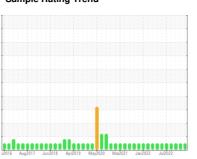


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



3583C AUTOCAR ACX

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

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.

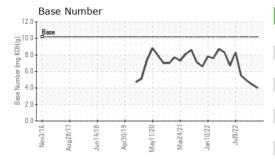
Fluid Condition

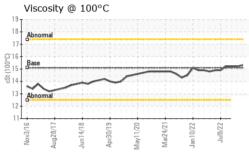
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

8 QTS)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103161	GFL0089333	GFL0087105
Sample Date		Client Info		23 Jan 2024	02 Aug 2023	08 Jul 2023
Machine Age	hrs	Client Info		9897	8656	8475
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	37	27	30
Chromium	ppm	ASTM D5185m	>4	4	3	3
Nickel	ppm	ASTM D5185m	>2	1	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	4	4
Lead	ppm	ASTM D5185m	>30	14	15	11
Copper	ppm	ASTM D5185m	>35	2	1	1
Γin	ppm	ASTM D5185m	>4	1	<1	<1
/anadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	14	10	8
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	71	60	61
Manganese	ppm	ASTM D5185m	0	1	1	1
Magnesium	ppm	AOTA DELOE				
Calcium		ASTM D5185m	560	731	651	636
Jaiolaili	ppm	ASTM D5185m ASTM D5185m	560 1510	731 2032	651 1899	636 1902
	• • • • • • • • • • • • • • • • • • • •					
Phosphorus	ppm	ASTM D5185m	1510	2032	1899	1902
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m	1510 780	2032 932	1899 806	1902 759
Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	1510 780 870	2032 932 1234	1899 806 1085	1902 759 1095
Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1510 780 870 2040 limit/base	2032 932 1234 2970	1899 806 1085 2885	1902 759 1095 3089
Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	1510 780 870 2040 limit/base	2032 932 1234 2970	1899 806 1085 2885 history1	1902 759 1095 3089 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	1510 780 870 2040 limit/base >+100	2032 932 1234 2970 current	1899 806 1085 2885 history1	1902 759 1095 3089 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	1510 780 870 2040 limit/base >+100	2032 932 1234 2970 current 8 3	1899 806 1085 2885 history1 6 10	1902 759 1095 3089 history2 7
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	1510 780 870 2040 limit/base >+100 >20	2032 932 1234 2970 current 8 3	1899 806 1085 2885 history1 6 10 <1	1902 759 1095 3089 history2 7 8
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1510 780 870 2040 limit/base >+100 >20 limit/base	2032 932 1234 2970 current 8 3 3	1899 806 1085 2885 history1 6 10 <1	1902 759 1095 3089 history2 7 8 3
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D5185m	1510 780 870 2040 limit/base >+100 >20 limit/base	2032 932 1234 2970 current 8 3 3	1899 806 1085 2885 history1 6 10 <1 history1 0.1	1902 759 1095 3089 history2 7 8 3 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm TS ppm ppm ppm Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624	1510 780 870 2040 limit/base >+100 >20 limit/base	2032 932 1234 2970 current 8 3 3 current 0 13.5	1899 806 1085 2885 history1 6 10 <1 history1 0.1 12.0	1902 759 1095 3089 history2 7 8 3 history2 0.1 12.5
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm TS ppm ppm ppm Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D5185m *ASTM D5185m *ASTM D7844 *ASTM D7624 *ASTM D7415	1510 780 870 2040 limit/base >+100 >20 limit/base >20 >30 limit/base	2032 932 1234 2970 current 8 3 3 current 0 13.5 28.9	1899 806 1085 2885 history1 6 10 <1 history1 0.1 12.0 26.1	1902 759 1095 3089 history2 7 8 3 history2 0.1 12.5 26.5



OIL ANALYSIS REPORT

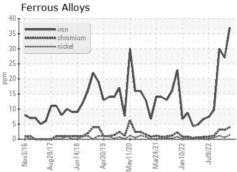


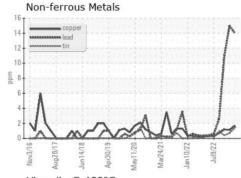


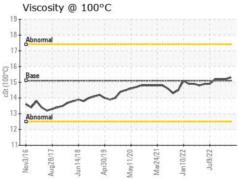
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

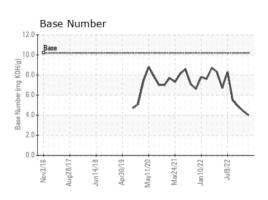
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.1	15.3	15.2	15.2	

GRAPHS













Certificate L2367

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

: GFL0103161 : 06069357 : 10846034

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

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

: 24 Jan 2024 : 26 Jan 2024 Diagnostician : Sean Felton

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