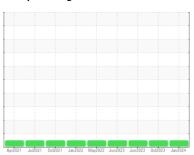


OIL ANALYSIS REPORT

Sample Rating Trend







746001-361630

Component

Natural Gas Engine

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

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

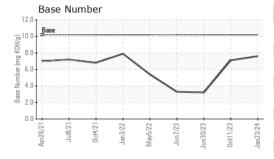
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

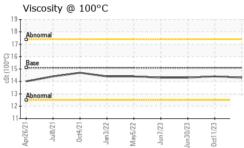
(LTR)		Apr2021 Ju	2021 Oct2021 Jan2022	May2022 Jun2023 Jun2023 Oct20	23 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0095991	GFL0071766	GFL0071732
Sample Date		Client Info		23 Jan 2024	11 Oct 2023	30 Jun 2023
Machine Age	hrs	Client Info		16484	15770	14970
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	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	8	4	12
Chromium	ppm	ASTM D5185m	>4	<1	<1	3
Nickel	ppm	ASTM D5185m	>2	0	0	2
Titanium	ppm	ASTM D5185m		0	<1	2
Silver	ppm	ASTM D5185m	>3	0	0	2
Aluminum	ppm	ASTM D5185m	>9	2	1	3
Lead	ppm	ASTM D5185m	>30	<1	2	6
Copper	ppm	ASTM D5185m	>35	1	2	3
Tin	ppm	ASTM D5185m	>4	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	<1	1
Cadmium	ppm	ASTM D5185m		0	0	2
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	25	27	2
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	49	52	46
Manganese	ppm	ASTM D5185m	0	<1	<1	2
Magnesium	ppm	ASTM D5185m	560	569	558	462
Calcium	ppm	ASTM D5185m	1510	1586	1489	1438
Phosphorus	ppm	ASTM D5185m	780	763	762	603
Zinc	ppm	ASTM D5185m	870	984	960	865
Sulfur	ppm	ASTM D5185m	2040	2499	2415	2649
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	4	4
Sodium	ppm	ASTM D5185m		7	15	20
Potassium	ppm	ASTM D5185m	>20	<1	2	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.1	8.1	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	19.8	24.2
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	16.6	19.1

Base Number (BN) mg KOH/g ASTM D2896 10.2 7.6



OIL ANALYSIS REPORT

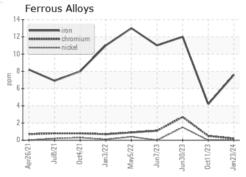


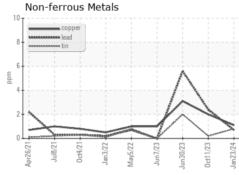


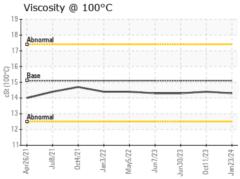
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

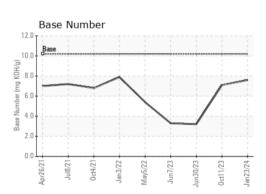
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.4	14.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10846641 Test Package : FLEET

: GFL0095991 : 06069964

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 24 Jan 2024

: 25 Jan 2024 Diagnosed Diagnostician : Wes Davis

GFL Environmental - 883 - Orange City

1378 South Volusia Ave Orange City, FL US 32763

T: (386)503-8468

Contact: JEFF COOPERSMITH JCOOPERSMITH@GFLENV.COM

* - 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)