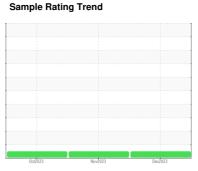


OIL ANALYSIS REPORT

Samı



NORMAL



Machine Id 933000

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (5 GAL)

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

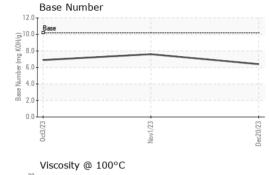
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

5 GAL)						
SAMPLE INFOR	DMATION		limit/base	Nov2023 Doc20		history2
	RIVIATION		IIIIIVbase	current	history1	· ·
Sample Number		Client Info		GFL0088499	GFL0098107	GFL0088521
Sample Date		Client Info		20 Dec 2023	01 Nov 2023	03 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		392	292	376
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	5	9	28
Chromium	ppm	ASTM D5185m	>4	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		2	<1	2
Lead	ppm	ASTM D5185m	>30	0	<1	2
Copper	ppm	ASTM D5185m		1	2	8
Tin	ppm	ASTM D5185m	>4	1	0	1
Vanadium	ppm	ASTM D5185m	7 4	<1	0	0
Cadmium		ASTM D5185m		<1	<1	<1
ADDITIVES	ppm	method	limit/base			
				current	history1	history2
Boron	ppm	ASTM D5185m	50	19	26	29
Barium	ppm	ASTM D5185m	5	0	<1	0
Molybdenum	ppm	ASTM D5185m	50	50	52	52
Manganese	ppm		0	<1	<1	3
Magnesium	ppm	ASTM D5185m	560	593	597	878
Calcium	ppm	ASTM D5185m	1510	1530	1455	1353
Phosphorus	ppm	ASTM D5185m	780	832	717	750
Zinc	ppm	ASTM D5185m	870	988	940	966
Sulfur	ppm	ASTM D5185m	2040	2613	2860	2729
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	11	21	78
Sodium	ppm	ASTM D5185m		5	0	5
Potassium	ppm	ASTM D5185m	>20	<1	2	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.4	9.6
Sulfation	Abs/.1mm	*ASTM D7415		19.5	19.3	19.3
FLUID DEGRA	DATIO <u>N</u>	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	16.7	17.3
Page Number (PNI)	ma KOLI/a	ACTM DOOG	10.0	6.4	7.6	6.0

Base Number (BN) mg KOH/g ASTM D2896 10.2 6.4



OIL ANALYSIS REPORT

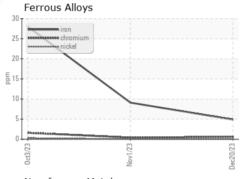


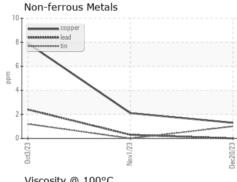
20-	Viscosity @ 100°C	
18	Abnormal	
() 16 () 16 14	Base	
र्हें 14- 12-	Abnormal	
10-		
	0ct3/23	

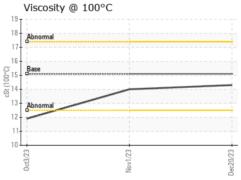
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

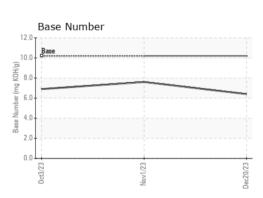
FLUID PROPE	RHES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.0	11.9

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10796539 Test Package : FLEET

: GFL0088499 : 06041310

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 20 Dec 2023 Diagnosed : 22 Dec 2023

Diagnostician : Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC US 27703 Contact: Shane Parks

shane.parks@gflenv.com T: (919)596-1363

F: (919)598-1852

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

* - 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)