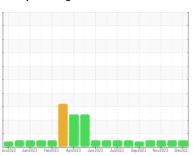


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 933022

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- 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

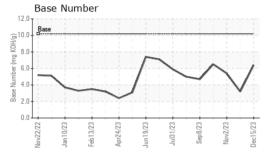
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

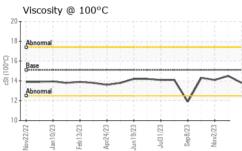
(GAL)		lov2022 Jan2	123 Feb2023 Apr2023	Jun2023 Jul2023 Sep2023 Nov	023 Dec202:	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099920	GFL0099940	GFL0095166
Sample Date		Client Info		15 Dec 2023	18 Nov 2023	02 Nov 2023
Machine Age	hrs	Client Info		2964	2790	2701
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	18	5
Chromium	ppm	ASTM D5185m	>4	<1	2	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	3	2
Lead	ppm	ASTM D5185m	>30	1	12	1
Copper	ppm	ASTM D5185m	>35	7	3	4
Tin	ppm	ASTM D5185m	>4	0	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	28	9	23
Barium	ppm	ASTM D5185m	5	0	0	5
Molybdenum	ppm	ASTM D5185m	50	51	63	56
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	560	558	695	539
Calcium	ppm	ASTM D5185m	1510	1369	1838	1482
Phosphorus	ppm	ASTM D5185m	780	696	868	779
Zinc	ppm	ASTM D5185m	870	907	1122	941
Sulfur	ppm	ASTM D5185m	2040	2301	2596	2224
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	16	6	9
Sodium	ppm	ASTM D5185m		0	9	0
Potassium	ppm	ASTM D5185m	>20	2	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.4	12.6	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	28.1	20.6
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3	22.8	17.8
Dogo Number (DNI)		ACTM DOCCO	100	C 4	2.0	F 4

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



OIL ANALYSIS REPORT

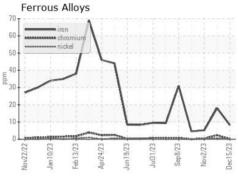


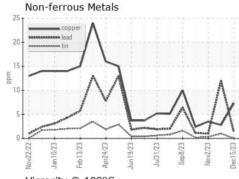


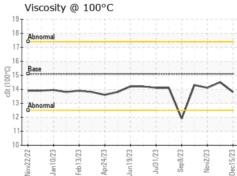
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

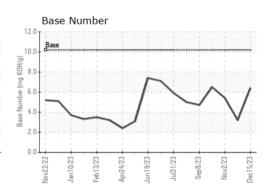
FLUID PROP	ERITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	13.8	14.5	14.1

GRAPHS













Laboratory Sample No. Lab Number Unique Number : 10795428

: GFL0099920 : 06040199

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

: 21 Dec 2023 Diagnostician : Sean Felton

Test Package : FLEET (Additional Tests: FT-IR(Diff))

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)

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Contact: Robert Hart rhart@gflenv.com T: (580)461-1509