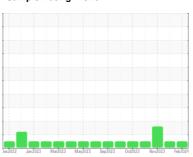


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 933025 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

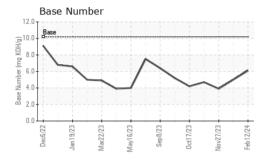
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

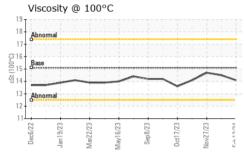
(GAL)		Jec2022 Jan	n2023 Mar2023 May20	123 Sep 2023 Oct 2023 Nov 2	023 Feb2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0109777	GFL0099926	GFL0099904
Sample Date		Client Info		12 Feb 2024	02 Dec 2023	27 Nov 2023
Machine Age	hrs	Client Info		2093	1958	1789
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	9	4 7
Chromium	ppm	ASTM D5185m	>4	1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	6	<1	<u>12</u>
Lead	ppm	ASTM D5185m	>30	2	4	3
Copper	ppm	ASTM D5185m	>35	2	0	16
Tin	ppm	ASTM D5185m	>4	<1	0	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	21	21	10
Barium	ppm	ASTM D5185m	5	0	0	2
Molybdenum	ppm	ASTM D5185m	50	49	48	56
Manganese	ppm	ASTM D5185m	0	<1	0	10
Magnesium	ppm	ASTM D5185m	560	594	547	790
Calcium	ppm	ASTM D5185m	1510	1478	1620	1525
Phosphorus	ppm	ASTM D5185m	780	766	716	846
Zinc	ppm	ASTM D5185m	870	957	952	1022
Sulfur	ppm	ASTM D5185m	2040	2487	2365	2288
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	12	4	25
Sodium	ppm	ASTM D5185m		4	7	7
Potassium	ppm	ASTM D5185m	>20	19	0	10
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.9	10.2	12.8
Sulfation	Abs/.1mm	*ASTM D7415		21.1	23.4	26.3
FLUID DEGRA	NOITAD	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.6	19.6	24.3

Base Number (BN) mg KOH/g ASTM D2896 10.2 6.1



OIL ANALYSIS REPORT

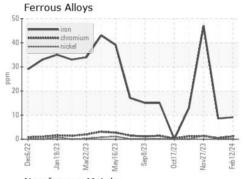


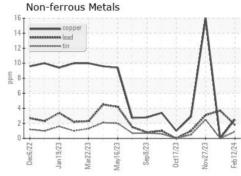


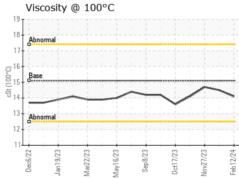
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

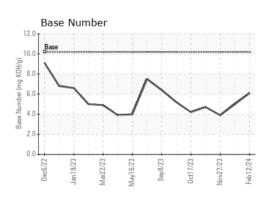
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.1	14.5	14.7

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06089829 Unique Number : 10882682 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0109777

Tested Diagnosed

Received : 15 Feb 2024 : 16 Feb 2024 : 16 Feb 2024 - Don Baldridge

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road

Kansas City, MO US 64126

Contact: Loyce Stewart loyce.stewart@gflenv.com

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)

T:

F: