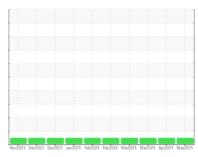


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 834047

Natural Gas Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

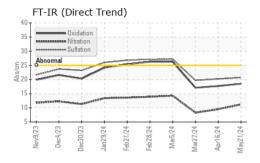
Fluid Condition

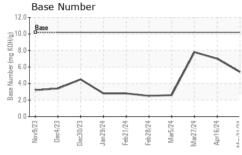
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

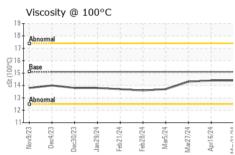
(GAL) Nov2023 Dec2023 Dec2023 Jan2024 Feb2024 Mac2024 Mac2						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122932	GFL0118761	GFL0114162
Sample Date		Client Info		21 May 2024	16 Apr 2024	27 Mar 2024
Machine Age	hrs	Client Info		1616	1459	1319
Oil Age	hrs	Client Info		1616	1459	1319
Oil Changed		Client Info		Not Changd	Not Changd	Filtered
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	25	18	14
Chromium	ppm	ASTM D5185m	>4	2	<1	0
Nickel	ppm	ASTM D5185m	>2	1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	1	<1	0
Aluminum	ppm	ASTM D5185m	>9	4	3	<1
Lead	ppm	ASTM D5185m	>30	2	1	0
Copper	ppm	ASTM D5185m	>35	5	4	2
Tin	ppm	ASTM D5185m	>4	2	1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	18	22	32
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	75	52	50
Manganese	ppm	ASTM D5185m	0	3	3	1
Magnesium	ppm	ASTM D5185m	560	866	560	624
Calcium	ppm	ASTM D5185m	1510	2224	1475	1691
Phosphorus	ppm	ASTM D5185m	780	955	801	826
Zinc	ppm	ASTM D5185m	870	1391	910	952
Sulfur	ppm	ASTM D5185m	2040	3782	2573	2941
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	15	8	6
Sodium	ppm	ASTM D5185m		12	4	5
Potassium	ppm	ASTM D5185m	>20	2	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	11.2	9.5	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	20.2	19.7
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	17.7	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.4	7.0	7.8



OIL ANALYSIS REPORT



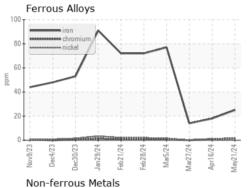




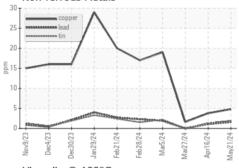
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

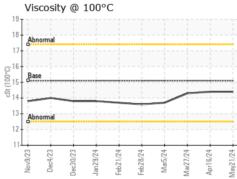
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.4	14.3

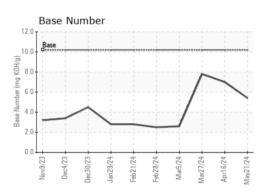
GRAPHS















Certificate 12367

Sample No.

: GFL0122932 Lab Number : 06190244 Unique Number : 11046996 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024 **Tested**

: 25 May 2024 Diagnosed : 29 May 2024 - Sean Felton

GFL Environmental - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO

US 64701 Contact: SARA PATRICK spatrick@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: