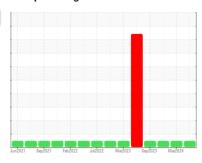


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **944025** 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.

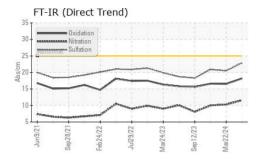
Fluid Condition

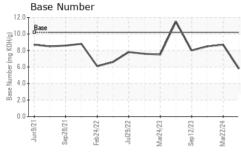
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

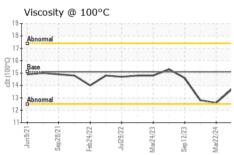
(LTR) Jun2021 Smg2021 Feb2022 Jun2022 Mmz2023 Smp2023 Mmz2024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119111	GFL0115496	GFL0106967
Sample Date		Client Info		11 Jul 2024	22 Mar 2024	16 Dec 2023
Machine Age	hrs	Client Info		22006	21337	21037
Oil Age	hrs	Client Info		669	300	607
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
Glycol		WC Method				
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	16	21	20
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	4	2	<1
Lead	ppm	ASTM D5185m	>30	2	1	1
Copper	ppm	ASTM D5185m	>35	2	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	4	<1
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	61	59	57
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	650	875	823
Calcium	ppm	ASTM D5185m	1510	1502	1061	997
Phosphorus	ppm	ASTM D5185m	780	783	1033	890
Zinc	ppm	ASTM D5185m	870	1076	1240	1113
Sulfur	ppm	ASTM D5185m	2040	2586	3396	2756
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	3
Sodium	ppm	ASTM D5185m		26	17	17
Potassium	ppm	ASTM D5185m	>20	25	9	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.4	1.5	1.5
Nitration	Abs/cm	*ASTM D7624	>20	11.6	10.3	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	20.5	20.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	16.5	16.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.8	8.7	8.5
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OIL ANALYSIS REPORT



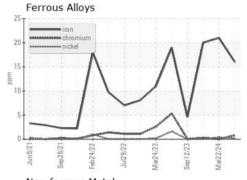


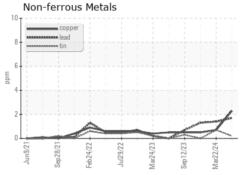


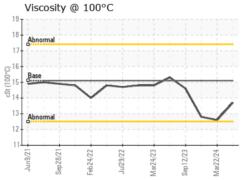
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

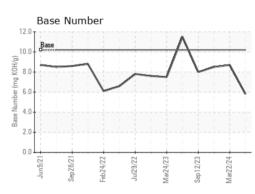
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.7	12.6	12.8

GRAPHS













Laboratory Sample No. Lab Number : 06235600 Unique Number : 11124434

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0119111 Received

: 15 Jul 2024 **Tested** : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis

GFL Environmental - 882 - Gainesville 5002 SW 41st Blvd

Gainesville, FL US 32608 Contact: ROBERT CLARK

Test Package : FLEET Certificate 12367 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)

robert.clark@gflenv.com

T:

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