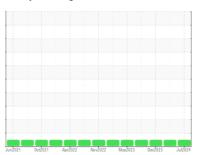


OIL ANALYSIS REPORT

Sample Rating Trend







748006

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

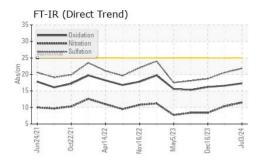
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

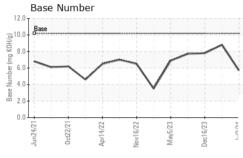
(LTR)		Jun2021	Oct2021 Apr2022	Nov2022 May2023 Dec2023	Jul2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119146	GFL0115479	GFL0106957
Sample Date		Client Info		03 Jul 2024	22 Mar 2024	16 Dec 2023
Machine Age	hrs	Client Info		15538	14761	14160
Oil Age	hrs	Client Info		777	601	637
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	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	18	21	3
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	4	2	1
Lead	ppm	ASTM D5185m	>30	1	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	8	4	26
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	58	59	48
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	560	712	879	530
Calcium	ppm	ASTM D5185m	1510	1339	1051	1419
Phosphorus	ppm	ASTM D5185m	780	925	1046	706
Zinc	ppm	ASTM D5185m	870	1133	1232	872
Sulfur	ppm	ASTM D5185m	2040	2637	3398	2294
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	3
Sodium	ppm	ASTM D5185m		26	18	4
Potassium	ppm	ASTM D5185m	>20	19	10	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.8	1.5	0.1
Nitration	Abs/cm	*ASTM D7624	>20	11.5	10.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	20.6	18.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Outalatian		*AOTM D7444				
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3	16.6	16.2

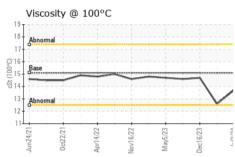
Base Number (BN) mg KOH/g ASTM D2896 10.2 5.7

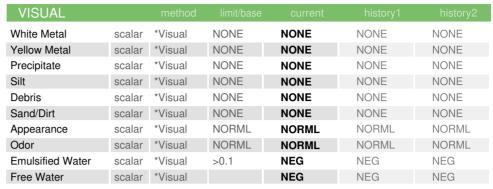


OIL ANALYSIS REPORT



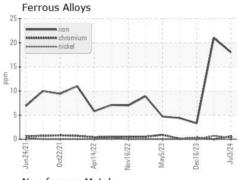


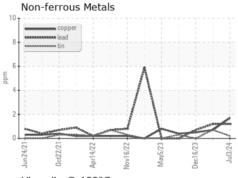


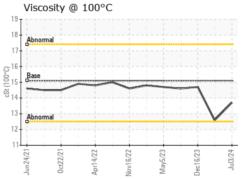


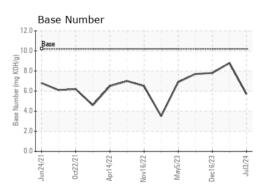
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.7	12.6	14.7

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0119146 Lab Number : 06229964 Unique Number : 11113457

Received : 08 Jul 2024 **Tested** : 09 Jul 2024

Diagnosed : 09 Jul 2024 - Wes Davis

GFL Environmental - 882 - Gainesville

5002 SW 41st Blvd Gainesville, FL

US 32608 Contact: ROBERT CLARK robert.clark@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: