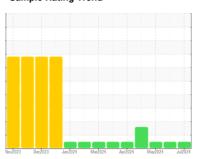


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
934025
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.

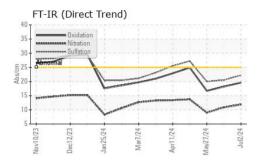
Fluid Condition

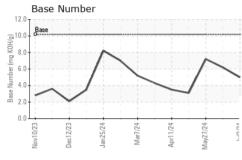
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

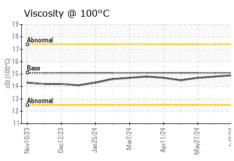
(GAL)		Nov2023	Dec2023 Jan2024 I	Mar2024 Apr2024 May2024	Jul2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122860	GFL0122827	GFL0122840
Sample Date		Client Info		02 Jul 2024	13 Jun 2024	27 May 2024
Machine Age	hrs	Client Info		2803	2679	2547
Oil Age	hrs	Client Info		2510	2518	161
Oil Changed		Client Info		N/A	Not Changd	Not Changd
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	17	12	12
Chromium	ppm	ASTM D5185m	>4	2	<1	<1
Nickel	ppm	ASTM D5185m	>2	1	<1	<1
Titanium	ppm	ASTM D5185m		1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	8	6	4
Lead	ppm	ASTM D5185m	>30	2	1	1
Copper	ppm	ASTM D5185m	>35	5	3	3
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	14	23
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	50	55	53	55
Manganese	ppm	ASTM D5185m	0	2	2	1
Magnesium	ppm	ASTM D5185m	560	606	647	597
Calcium	ppm	ASTM D5185m	1510	1751	1727	1614
Phosphorus	ppm	ASTM D5185m	780	777	806	900
Zinc	ppm	ASTM D5185m	870	1070	1041	997
Sulfur	ppm	ASTM D5185m	2040	2574	2909	2829
CONTAMINAN	ITS	method	limit/base	current	history1	history2
						0
Silicon	ppm	ASTM D5185m	>+100	7	6	6
Silicon Sodium	ppm ppm	ASTM D5185m	>+100	7 9	6 7	6
Sodium	ppm	ASTM D5185m		9	7	6
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	9 9	7 7	6 8
Sodium Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m method	>20 limit/base	9 9 current	7 7 history1	6 8 history2
Sodium Potassium INFRA-RED Soot %	ppm ppm	ASTM D5185m ASTM D5185m method *ASTM D7844	>20 limit/base	9 9 current	7 7 history1	6 8 history2 0.2
Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base	9 9 current 0 11.9	7 7 history1 0 10.9	6 8 history2 0.2 9.0
Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >20 >30 limit/base	9 9 current 0 11.9 22.2	7 7 history1 0 10.9 20.5	6 8 history2 0.2 9.0 20.0



OIL ANALYSIS REPORT



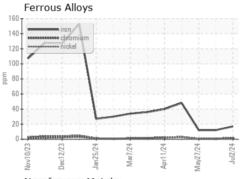


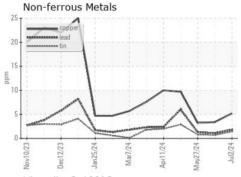


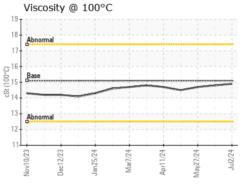
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

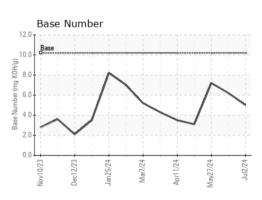
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.1	14.9	14.8	14.7	

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06229701 Unique Number : 11113194 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0122860

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

Diagnosed : 09 Jul 2024 - Sean Felton

GFL Environmental - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO

US 64701

Contact: SARA PATRICK spatrick@gflenv.com T:

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)

F: