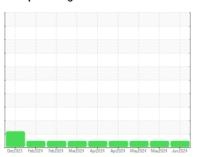


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **834093**

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (29 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

Fluid Condition

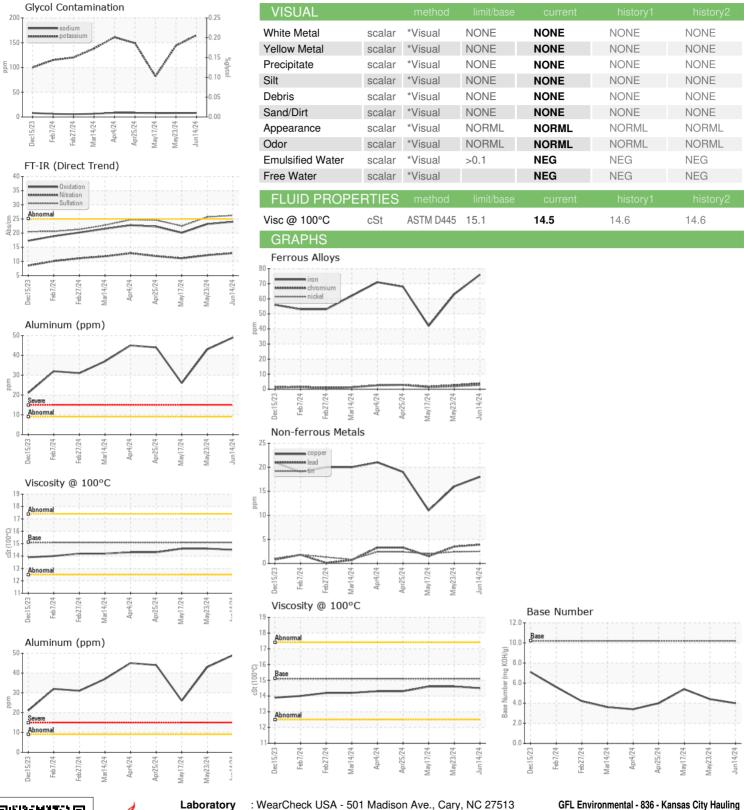
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(29 QTS)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122823	GFL0122800	GFL0118832
Sample Date		Client Info		14 Jun 2024	23 May 2024	17 May 2024
Machine Age	hrs	Client Info		1083	9180	890
Oil Age	hrs	Client Info		9180	9180	890
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	6	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	76	63	42
Chromium	ppm	ASTM D5185m	>4	4	3	2
Nickel	ppm	ASTM D5185m	>2	3	2	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	49	43	26
_ead	ppm	ASTM D5185m	>30	4	4	2
Copper	ppm	ASTM D5185m	>35	18	16	11
Гіп	ppm	ASTM D5185m	>4	2	2	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	13	18
Barium	ppm	ASTM D5185m	5	3	3	<1
Molybdenum	ppm	ASTM D5185m	50	65	55	58
Manganese	ppm	ASTM D5185m	0	15	13	9
Magnesium	ppm	ASTM D5185m	560	903	746	745
Calcium	ppm	ASTM D5185m	1510	1543	1288	1503
Phosphorus	ppm	ASTM D5185m	780	845	772	832
Zinc	ppm	ASTM D5185m	870	1092	929	1001
Sulfur	ppm	ASTM D5185m	2040	2805	2498	2816
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	26	23	17
Sodium	ppm	ASTM D5185m		8	8	8
Potassium	ppm	ASTM D5185m	>20	165	144	82
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.9	12.2	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	25.7	22.5
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.0	23.2	20.1
5 11 1 (51)	1/011/	AOTH DOOS	100		4.4	

Base Number (BN) mg KOH/g ASTM D2896 10.2 4.0



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06220499 Unique Number : 11098696 Test Package : FLEET

: GFL0122823

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed : 27 Jun 2024 - Don Baldridge

7801 East Truman Road Kansas City, MO

US 64126

Contact: Christopher Gilkey cgilkey@gflenv.com T:

 st - 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: