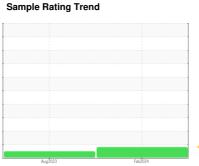


OIL ANALYSIS REPORT



WEAR



Machine Id **533000**

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

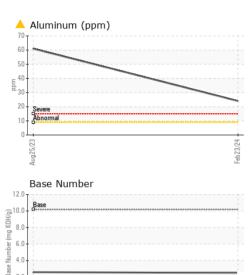
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

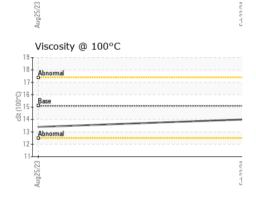
GAL)			Aug2023	Feb2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0108360	GFL0090356	
Sample Date		Client Info		23 Feb 2024	25 Aug 2023	
Machine Age	hrs	Client Info		2578	1476	
Dil Age	hrs	Client Info		1102	1476	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>50	21	51	
Chromium	ppm	ASTM D5185m	>4	5	8	
lickel	ppm	ASTM D5185m	>2	<1	<1	
itanium	ppm	ASTM D5185m	/L	<1	0	
Silver		ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>9	<u> </u>	61	
.ead		ASTM D5185m	>30		11	
	ppm			9 7		
Copper	ppm	ASTM D5185m	>35		13	
in Generalisma	ppm	ASTM D5185m	>4	1	2	
/anadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	3	9	
Barium	ppm	ASTM D5185m	5	0	4	
Nolybdenum	ppm	ASTM D5185m	50	61	116	
Manganese	ppm	ASTM D5185m	0	2	5	
/lagnesium	ppm	ASTM D5185m	560	575	758	
Calcium	ppm	ASTM D5185m	1510	1475	1504	
Phosphorus	ppm	ASTM D5185m	780	732	748	
Zinc	ppm	ASTM D5185m	870	933	958	
Bulfur	ppm	ASTM D5185m	2040	2536	3535	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	18	76	
Sodium	ppm	ASTM D5185m		4	4	
Potassium	ppm	ASTM D5185m	>20	37	108	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	
litration	Abs/cm	*ASTM D7624	>20	12.0	10.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	25.5	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	21.2	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	2.5	2.6	
(214)	9					



0.0

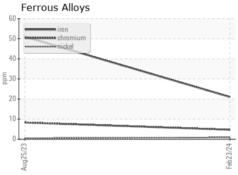
OIL ANALYSIS REPORT

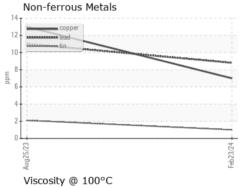


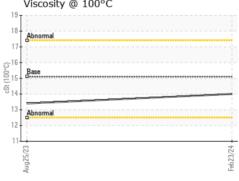


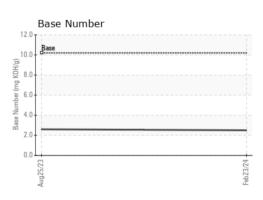
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.0	13.4	

GRAPHS











Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0108360 Lab Number : 06102764

Received **Tested** Unique Number : 10900994

: 28 Feb 2024 : 29 Feb 2024 Diagnosed : 29 Feb 2024 - Don Baldridge

GFL Environmental - 963 - Peoria HC Disposal 1113 N. Swords Ave. West Peoria, IL

US 61604 Contact: Corey Dozard cdozard@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: