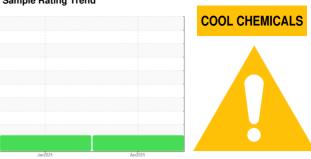


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 934068

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

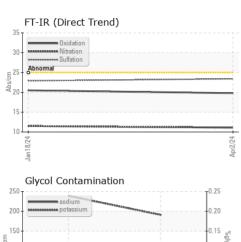
Fluid Condition

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.

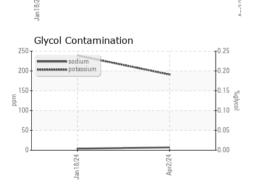
041)						,
GAL)			Jan 2024	Apr2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114443	GFL0103933	
Sample Date		Client Info		02 Apr 2024	18 Jan 2024	
Machine Age	hrs	Client Info		1182	594	
Oil Age	hrs	Client Info		1182	594	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron		ASTM D5185m	>50	24	42	
-	ppm			24	2	
Chromium	ppm	ASTM D5185m		_	1	
Nickel Titanium	ppm	ASTM D5185m	>2	1		
	ppm	ASTM D5185m	. 2	0	0	
Silver	ppm	ASTM D5185m	>3			
Aluminum	ppm	ASTM D5185m	>9	45	58	
Lead	ppm	ASTM D5185m	>30	<1	2	
Copper	ppm	ASTM D5185m	>35	1	16	
Tin	ppm	ASTM D5185m	>4	2	2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	9	
Barium	ppm	ASTM D5185m	5	0	15	
Molybdenum	ppm	ASTM D5185m	50	55	49	
Manganese	ppm	ASTM D5185m	0	2	12	
Magnesium	ppm	ASTM D5185m	560	643	874	
Calcium	ppm	ASTM D5185m	1510	1736	1427	
Phosphorus	ppm	ASTM D5185m	780	792	797	
Zinc	ppm	ASTM D5185m	870	1059	892	
Sulfur	ppm	ASTM D5185m	2040	3079	2410	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	8	31	
Sodium	ppm	ASTM D5185m		7	4	
Potassium	ppm	ASTM D5185m	>20	191	<u>^</u> 239	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	
Vitration	Abs/cm	*ASTM D7624	>20	11.1	11.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.4	22.9	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	20.5	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.5	4.1	

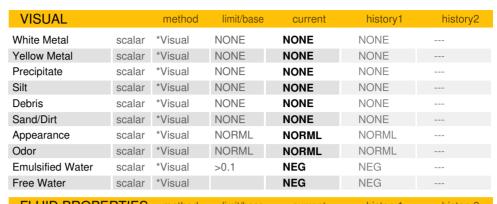


OIL ANALYSIS REPORT



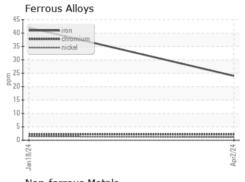
100			0.10
50			0.05
0	-	Apr2/24	
1		Apı	
Viscosity	@ 100°C		
Abnormal			
(5.16 Base 15 14			
8 14			

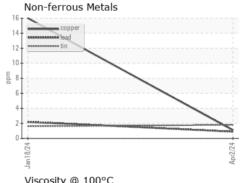


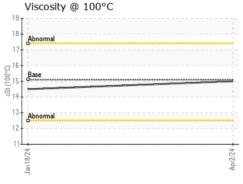


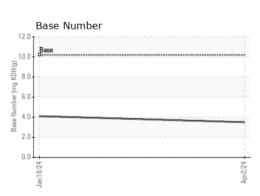
FLUID PROP	ERITES	method	limit/base	current	history1	history
Visc @ 100°C	cSt	ASTM D445	15.1	15.0	14.5	

GRAPHS











13 12



Certificate 12367

Laboratory Sample No.

: GFL0114443 Lab Number : 06142119 Unique Number: 10966927

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 08 Apr 2024 : 15 Apr 2024

: 15 Apr 2024 - Jonathan Hester

GFL Environmental - 865 - East Mount Hauling 7213 East Mount Houston Road Houston, TX

US 77050 Contact: Saul Castillo saul.castillo@gflenv.com

Test Package : FLEET (Additional Tests: Glycol) 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)

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F: