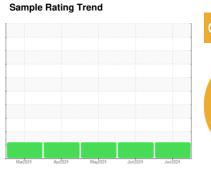


OIL ANALYSIS REPORT



Machine Id 834054 Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)





DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

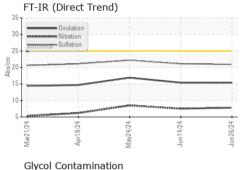
Fluid Condition

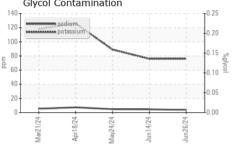
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

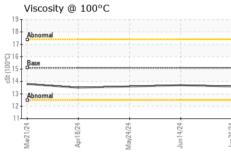
GEO LD 15W40 (-	GAL)	Mar2024	Apr2024	May2024 Jun2024	Jun2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122852	GFL0122807	GFL0122834
Sample Date		Client Info		26 Jun 2024	14 Jun 2024	24 May 2024
Machine Age	hrs	Client Info		605	543	428
Oil Age	hrs	Client Info		605	543	428
Oil Changed	0	Client Info		Not Changd	Not Changd	Not Changd
Sample Status		Olioni illio		ATTENTION	ATTENTION	ATTENTION
CONTAMINAT	ION	method	limit/base			
Water	ION	WC Method		current	history1 NEG	history2 NEG
	0					
WEAR METAL		method	limit/base		history1	history2
Iron	ppm	ASTM D5185m	>50	21	22	22
Chromium	ppm	ASTM D5185m		<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m		5	5	6
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>150	4	5	4
Tin	ppm	ASTM D5185m	>4	1	1	<1
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	13	14	16
Barium	ppm	ASTM D5185m	5	0	<1	0
Molybdenum	ppm	ASTM D5185m	50	97	98	100
Manganese	ppm	ASTM D5185m	0	2	2	2
Magnesium	ppm	ASTM D5185m	560	621	657	625
Calcium	ppm	ASTM D5185m	1510	1239	1278	1177
Phosphorus	ppm	ASTM D5185m	780	635	651	605
Zinc	ppm	ASTM D5185m	870	757	784	710
Sulfur	ppm	ASTM D5185m	2040	2911	3120	2891
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	22	22	24
Sodium	ppm	ASTM D5185m		4	5	5
Potassium	ppm	ASTM D5185m	>20	7 6	7 6	89
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.8	7.5	8.5
Sulfation	Abs/.1mm	*ASTM D7415		20.9	21.1	22.2
FLUID DEGRA	/OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.4	16.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.7	6.0	5.7
Dage Hamber (DIV)	ing Northy	AOTHI DE000	10.2	0.7	0.0	0.7

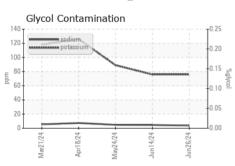


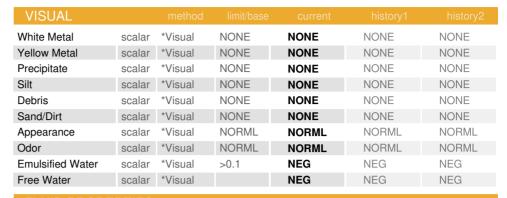
OIL ANALYSIS REPORT





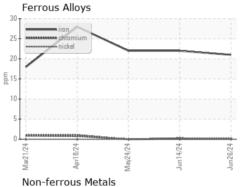


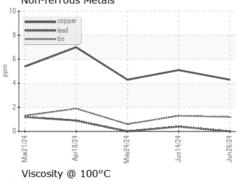


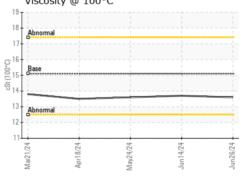


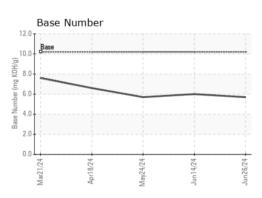
FLUID PROPI	ERITES					
Visc @ 100°C	cSt	ASTM D445	15.1	13.6	13.7	13.6

GRAPHS













Laboratory Sample No.

: GFL0122852 Lab Number : 06225607 Unique Number : 11103804

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

: 01 Jul 2024 : 03 Jul 2024 Diagnosed : 03 Jul 2024 - Jonathan Hester

GFL Environmental - 837 - Harrison TS 22820 S State Route 291 Harrisonville, MO

US 64701 Contact: SARA PATRICK

spatrick@gflenv.com

Test Package : FLEET (Additional Tests: Glycol) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 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)

Report Id: GFL837 [WUSCAR] 06225607 (Generated: 07/04/2024 04:50:49) Rev: 1

Submitted By: JEREMY BROWN

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F: