

OIL ANALYSIS REPORT

(THX0606) 934055

Component

1 Natural Gas Engine

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

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. (Customer Sample Comment: Engine oil sample)

Wear

All component wear rates are normal.

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. 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)			Jan 2024	Feb 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114459	GFL0103927	
Sample Date		Client Info		22 Feb 2024	03 Jan 2024	
Machine Age	hrs	Client Info		1592	1176	
Oil Age	hrs	Client Info		1592	586	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
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	ppm	ASTM D5185m	>50	18	24	
Chromium	ppm	ASTM D5185m	>4	2	1	
Nickel	ppm	ASTM D5185m	>2	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>9	61	54	
Lead	ppm	ASTM D5185m	>30	2	<1	
Copper	ppm	ASTM D5185m	>35	1	3	
Tin	ppm	ASTM D5185m	>4	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	13	4	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	50	53	61	
Manganese	ppm	ASTM D5185m	0	1	1	
Magnesium	ppm	ASTM D5185m	560	678	669	
Calcium	ppm	ASTM D5185m	1510	1872	1639	
Phosphorus	ppm	ASTM D5185m	780	922	756	
Zinc	ppm	ASTM D5185m	870	1131	1064	
Sulfur	ppm	ASTM D5185m	2040	2921	2499	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	8	
Sodium	ppm	ASTM D5185m		6	7	
Potassium	ppm	ASTM D5185m	>20	175	200	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	
Nitration	Abs/cm	*ASTM D7624	>20	10.4	11.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	23.1	
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	19.7	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.3	3.8	
		==000			0.0	



OIL ANALYSIS REPORT



Viscosity @ 100°C





Certificate L2367

Laboratory Sample No.

Lab Number : 06107951 Unique Number: 10911448 Test Package : FLEET

<u>2</u>15 ₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0114459 Received : 04 Mar 2024 : 05 Mar 2024

Tested : 06 Mar 2024 - Jonathan Hester Diagnosed

GFL Environmental - 865 - East Mount Hauling

Base Number

12.

0.0

(mg K0H/g)

7213 East Mount Houston Road Houston, TX US 77050

Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.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)

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F: