

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Component Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (7 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The BN level is low. Confirm oil type.

7 GAL)		Aug2021	Det2021 Jun2022 Jan20	123 Mar2023 Jun2023 Oct2023	Jan2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0081079	GFL0081110	GFL0081055
Sample Date		Client Info		17 Jan 2024	17 Oct 2023	19 Jun 2023
Machine Age	hrs	Client Info		13211	12746	12249
Oil Age	hrs	Client Info		609	144	677
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method				
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	15	9
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	0	2	0
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
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	14	29	21
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	▲ 8	▲ 8	21
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	560	4 74	5 6	2 09
Calcium	ppm	ASTM D5185m	1510	A 282	2 25	▲ 672
Phosphorus	ppm	ASTM D5185m	780	273	1 219	4 34
Zinc	ppm	ASTM D5185m	870	120	8 8	3 91
Sulfur	ppm	ASTM D5185m	2040	1495	1729	2127
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	1	3	3
Sodium	ppm	ASTM D5185m		2	7	39
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.2	4.2	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	20.6	21.1
FLUID DEGRAI		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.7	22.0	20.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	▲ 0.3	▲ 0.0	▲ 2.5



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cSt (100°C)

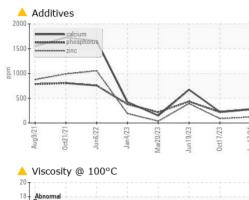
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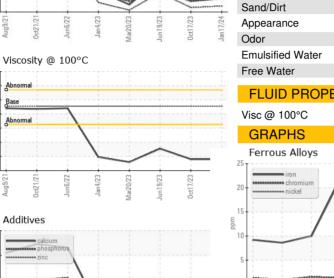
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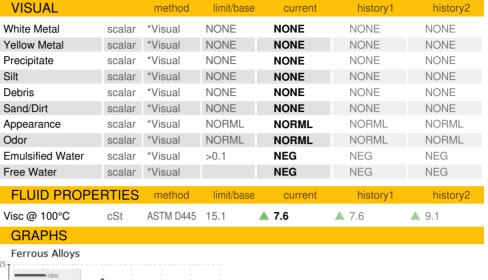
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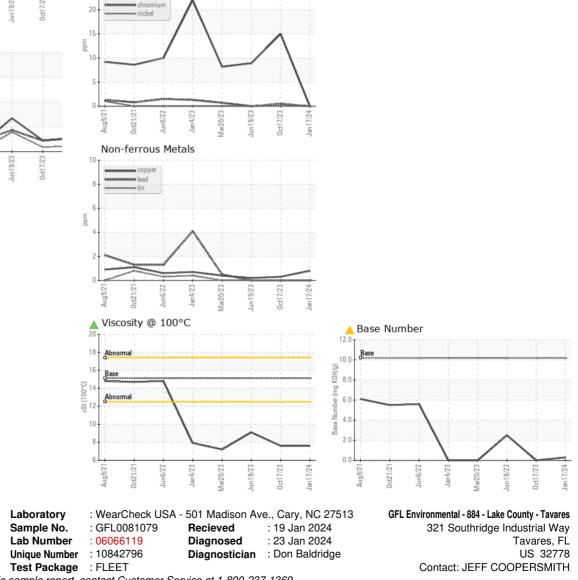
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OIL ANALYSIS REPORT









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)

Certificate L2367

Submitted By: Daniel Wheeler Page 2 of 2