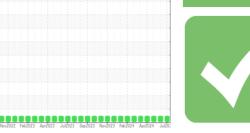


# **OIL ANALYSIS REPORT**

Sample Rating Trend





#### 731121 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Machine Id

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

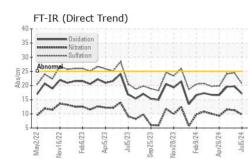
### Fluid Condition

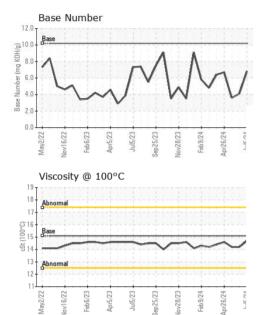
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124135	GFL0124057	GFL0117222
Sample Date		Client Info		05 Jul 2024	18 Jun 2024	17 May 2024
Machine Age	hrs	Client Info		7976	7814	7692
Oil Age	hrs	Client Info		0	1200	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	25	15	14
Chromium	ppm	ASTM D5185m	>4	2	1	0
Nickel	ppm	ASTM D5185m	>2	1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	5	2	<1
Lead	ppm	ASTM D5185m	>30	2	3	1
Copper	ppm	ASTM D5185m	>35	<1	<1	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	21	9	8
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	57	59	60
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	560	637	618	556
Calcium	ppm	ASTM D5185m	1510	1748	2012	1947
Phosphorus	ppm	ASTM D5185m	780	896	878	817
Zinc	ppm	ASTM D5185m	870	1077	1167	1094
Sulfur	ppm	ASTM D5185m	2040	2834	3194	2988
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	11	4	4
Sodium	ppm	ASTM D5185m		10	9	8
Potassium	ppm	ASTM D5185m	>20	3	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	9.7	11.3	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	24.5	24.1
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	19.7	19.5
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.8	4.1	3.6



# **OIL ANALYSIS REPORT**

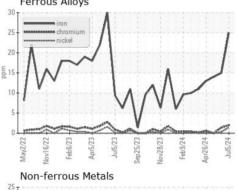


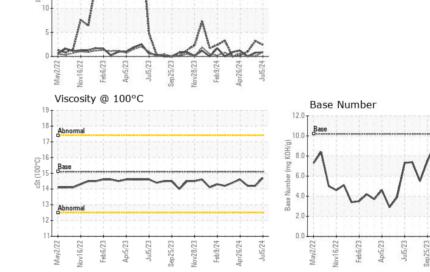


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.2	14.2
GRAPHS						

Ferrous Alloys

20 15





v28/23 ul5/24 Feb 9/24 pr26/24

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 836 - Kansas City Hauling Sample No. : GFL0124135 Received : 10 Jul 2024 7801 East Truman Road Lab Number : 06231995 Tested : 10 Jul 2024 Kansas City, MO Unique Number : 11115488 Diagnosed : 11 Jul 2024 - Don Baldridge US 64126 Test Package : FLEET Contact: Loyce Stewart Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. loyce.stewart@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: GFL823,834,836,837,840 - Loyce Stewart - GFL836