

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 731123

Component **Natural Gas Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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 INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0109822	GFL0109813	GFL0103364
Sample Date		Client Info		12 Feb 2024	01 Feb 2024	20 Dec 2023
Machine Age	hrs	Client Info		6085	6027	5874
Oil Age	hrs	Client Info		1200	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATI	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	13	A 81	7
Chromium	ppm	ASTM D5185m	>4	1	<u> </u>	<1
Nickel	ppm	ASTM D5185m	>2	0	3	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	<u> </u>	2
Lead	ppm	ASTM D5185m	>30	4	1 5	2
Copper	ppm	ASTM D5185m	>35	2	<u> </u>	3
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	13	6	19
Barium	ppm	ASTM D5185m	5	0	<1	0
Molybdenum	ppm	ASTM D5185m	50	55	99	51
Manganese	ppm	ASTM D5185m	0	<1	2	<1
Magnesium	ppm	ASTM D5185m	560	559	528	584
Calcium	ppm	ASTM D5185m	1510	1570	1641	1399
Phosphorus	ppm	ASTM D5185m	780	744	746	771
Zinc	ppm	ASTM D5185m	870	1025	1001	947
Sulfur	ppm	ASTM D5185m	2040	2564	2494	2422
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	18	16
Sodium	ppm	ASTM D5185m		1	6 13	3
Potassium	ppm	ASTM D5185m	>20	1	2 09	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	11.1	13.9	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	26.6	20.7
FLUID DEGRAD) ATION	method	limit/base	current	history1	history2

FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	21.6	17.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.4	4.0	5.6



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VISUAL		methou			TIISTOLA	nistory2
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	14.4	14.3	13.7
GRAPHS						





 Certificate 12367
 Test Package
 : FLEET
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 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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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