

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

Component Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (38 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	/IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0087800	GFL0082224	GFL0073795
Sample Date		Client Info		06 Jul 2023	12 May 2023	13 Apr 2023
Machine Age	hrs	Client Info		14964	14667	14429
Oil Age	hrs	Client Info		535	238	1198
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	13	12	22
Chromium	ppm	ASTM D5185m	>4	1	2	4
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	5	5
Lead	ppm	ASTM D5185m	>30	2	4	15
Copper	ppm	ASTM D5185m	>35	4	3	2
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	history 1	history 2
Boron	ppm	ASTM D5185m	50	11	27	12
Barium	ppm	ASTM D5185m	5	0	2	2
Molybdenum	ppm	ASTM D5185m	50	54	61	54
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	593	634	569
Calcium	ppm	ASTM D5185m	1510	1668	1781	1667
Phosphorus	ppm	ASTM D5185m	780	734	872	773
Zinc	ppm	ASTM D5185m	870	997	1054	987
Sulfur	ppm	ASTM D5185m	2040	2890	2748	2351
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>+100	5	7	8
Sodium	ppm	ASTM D5185m		7	7	9
Potassium	ppm	ASTM D5185m	>20	2	<1	2
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.1	9.5	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	21.4	24.5
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	17.8	22.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.3	6.8	3.1



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VISUAL		method			history 1	history 2
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 PROPEI	RTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.5	14.6
GRAPHS						





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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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