

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

Component Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

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.

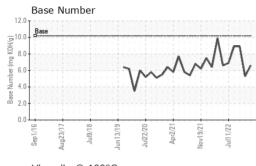
Fluid Condition

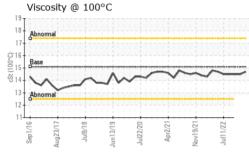
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	ΙΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0089327	GFL0056644	GFL0052319
Sample Date		Client Info		04 Aug 2023	06 Mar 2023	09 Aug 2022
Machine Age	hrs	Client Info		22198	523	19961
Oil Age	hrs	Client Info		2237	608	188
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	7	3
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>9	<1	2	1
Lead	ppm	ASTM D5185m	>30	5	<1	<1
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	11	13	38
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	51	50	47
Manganese	ppm	ASTM D5185m	0	<1	1	<1
Magnesium	ppm	ASTM D5185m	560	558	542	518
Calcium	ppm	ASTM D5185m	1510	1680	1605	1511
Phosphorus	ppm	ASTM D5185m	780	690	659	709
Zinc	ppm	ASTM D5185m	870	962	960	877
Sulfur	ppm	ASTM D5185m	2040	2798	2576	2345
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	11	8
Sodium	ppm	ASTM D5185m		7	8	4
Potassium	ppm	ASTM D5185m	>20	2	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.5	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	9.4	10.6	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.3	20.1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	17.6	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.6	5.3	8.9

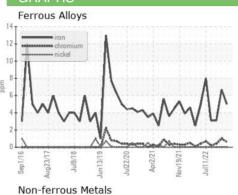


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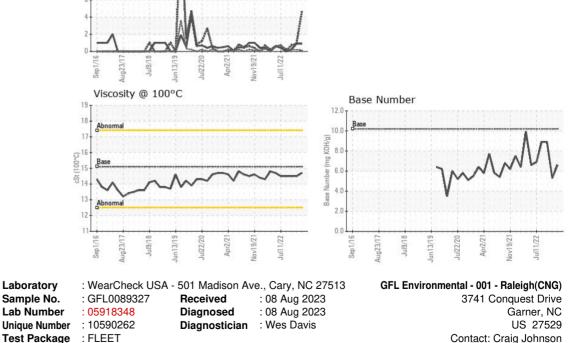


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	14.5	14.5
GRAPHS						



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 Certificate L2367
 Test Package
 : FLEET

 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)

Submitted By: Craig Johnson

craig.johnson@gflenv.com

T: (919)662-7100

F: (919)662-7130

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