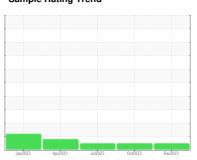


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **443001**

Component **Natural Gas Engine**

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

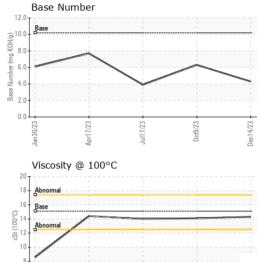
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Jan 2023	Apr2023	Jul2023 Oct2023	Dec2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099915	GFL0095124	GFL0087195
Sample Date		Client Info		14 Dec 2023	09 Oct 2023	17 Jul 2023
Machine Age	hrs	Client Info		15388	15056	14916
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	45	4	28
Chromium	ppm	ASTM D5185m	>4	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m		5	3	3
Lead	ppm	ASTM D5185m	>30	<1	<1	17
Copper	ppm	ASTM D5185m		13	4	2
Tin	ppm	ASTM D5185m	>4	2	<1	<1
√anadium	ppm	ASTM D5185m	77	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1-1-	method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	50	11	26	7
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	50	52	51	60
Manganese	ppm	ASTM D5185m		12	<1	1
Magnesium	ppm	ASTM D5185m	560	753	583	627
Calcium	ppm	ASTM D5185m	1510	1331	1498	1752
Phosphorus	ppm	ASTM D5185m	780	683	790	764
Zinc	ppm	ASTM D5185m	870	964	981	1047
Sulfur	ppm	ASTM D5185m	2040	2317	2432	2952
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	26	11	7
Sodium	ppm	ASTM D5185m		4	4	17
Potassium	ppm	ASTM D5185m	>20	7	3	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.1	9.2	12.1
Sulfation	Abs/.1mm	*ASTM D7415		23.1	20.4	24.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.4	18.0	20.1
Page Number (PNI)	ma 1/011/-	ACTM DOOGS	10.2	12	6.2	2.0

Base Number (BN) mg KOH/g ASTM D2896 10.2 4.3



OIL ANALYSIS REPORT

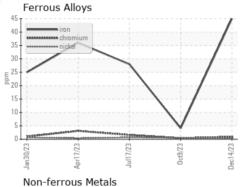


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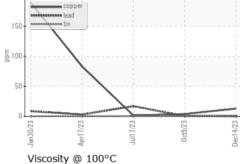
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt :	scalar	*Visual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

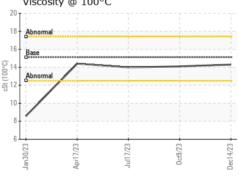
FLUID PROP	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.1	14.0

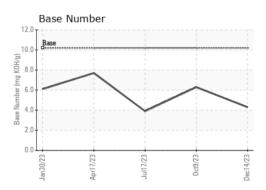
GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10792712

: GFL0099915 : 06037483

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 18 Dec 2023 Diagnosed : 20 Dec 2023 Diagnostician : Angela Borella

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road

Kansas City, MO US 64126 Contact: Robert Hart

rhart@gflenv.com T: (580)461-1509

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)

Report Id: GFL836 [WUSCAR] 06037483 (Generated: 12/20/2023 12:51:45) Rev: 1

Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836