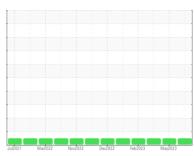


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 945028-260277

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

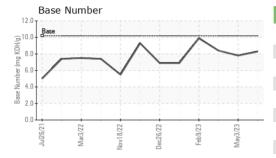
Fluid Condition

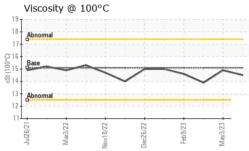
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(GAL)		Jul2021	Mar2022 Nov2022	Dec2022 Feb2023 M	ay2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084637	GFL0078133	GFL0073694
Sample Date		Client Info		19 Oct 2023	03 May 2023	28 Feb 2023
Machine Age	mls	Client Info		149698	56826	56402
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	15	4	2
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	1	<1	0
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	6	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	37	38	37
Barium	ppm	ASTM D5185m	5	8	0	<1
Molybdenum	ppm	ASTM D5185m	50	46	47	41
Manganese	ppm	ASTM D5185m	0	8	<1	0
Magnesium	ppm	ASTM D5185m	560	513	588	451
Calcium	ppm	ASTM D5185m	1510	1453	1511	1304
Phosphorus	ppm	ASTM D5185m	780	716	735	655
Zinc	ppm	ASTM D5185m	870	855	908	815
Sulfur	ppm	ASTM D5185m	2040	2281	2865	2115
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	24	4	9
Sodium	ppm	ASTM D5185m		9	2	2
Potassium	ppm	ASTM D5185m	>20	6	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.4	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	17.2	18.4
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.2	14.3
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	8.3	7.8	8.4
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OIL ANALYSIS REPORT

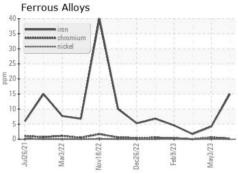


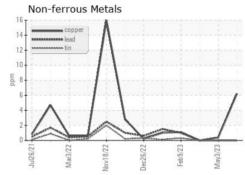


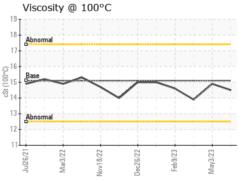
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

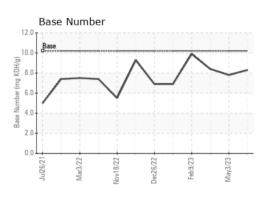
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.9	13.9	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: GFL0084637 : 05987222 : 10709884 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Oct 2023 Diagnosed : 24 Oct 2023

Diagnostician : Wes Davis

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Gino Griego

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)

T:

F: