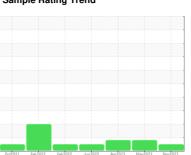


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



948010-205252

Component

Natural Gas Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

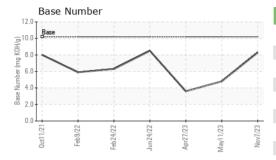
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

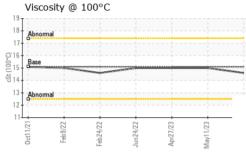
GAL)		0ct2021	Feb2022 Feb2022	Jun 2022 Anz 2023 May 2023	Nov2023	
SAMPLE INFOR	RMATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0091988	GFL0078131	GFL0078116
Sample Date		Client Info		07 Nov 2023	11 May 2023	27 Apr 2023
Machine Age	hrs	Client Info		32	15562	3865
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	26	27
Chromium	ppm	ASTM D5185m	>4	0	3	3
Nickel	ppm	ASTM D5185m	>2	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<1	6	5
Lead	ppm	ASTM D5185m	>30	0	6	2
Copper	ppm	ASTM D5185m	>35	0	△ 91	<u></u> 105
Tin	ppm	ASTM D5185m	>4	0	<1	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	10	6
Barium	ppm	ASTM D5185m	5	0	2	0
Molybdenum	ppm	ASTM D5185m	50	47	58	56
Manganese	ppm	ASTM D5185m	0	0	1	1
Magnesium	ppm	ASTM D5185m	560	580	616	654
Calcium	ppm	ASTM D5185m	1510	1694	1699	1759
Phosphorus	ppm	ASTM D5185m	780	848	771	760
Zinc	ppm	ASTM D5185m	870	1030	987	999
Sulfur	ppm	ASTM D5185m	2040	2640	2268	2235
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	2	6	6
Sodium	ppm	ASTM D5185m		4	7	6
Potassium	ppm	ASTM D5185m	>20	0	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	6.8	11.0	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	22.4	21.1
FLUID DEGRA	NOITAD.	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	20.8	20.5
Dana Namahan (DAN		AOTAA DOCCO	100		4.0	0.0

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



OIL ANALYSIS REPORT

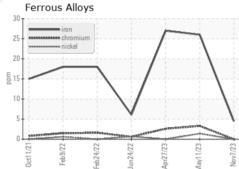


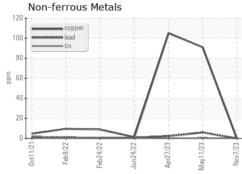


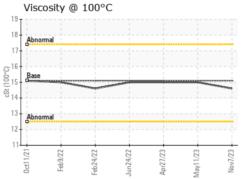
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

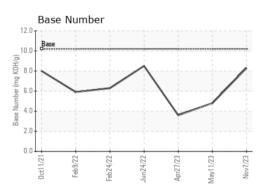
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	15.0	15.0	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0091988 : 06003472 : 10737234

Received Diagnosed

: 09 Nov 2023 : 10 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias

pzacariascano@gflenv.com T:

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: GFL856 [WUSCAR] 06003472 (Generated: 11/12/2023 09:09:59) Rev: 1

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