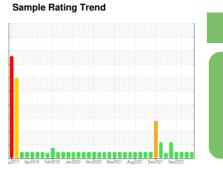


OIL ANALYSIS REPORT

(P633835) 3756C

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (30 QTS)





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.

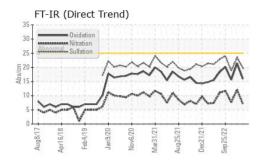
Fluid Condition

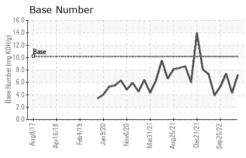
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

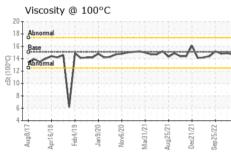
(30 QTS) Q2017 April 18 February September 1 September						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0101771	GFL0090104	GFL0081021
Sample Date		Client Info		30 Apr 2024	03 Oct 2023	21 Sep 2023
Machine Age	mls	Client Info		15905	15385	15297
Oil Age	mls	Client Info		600	600	600
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	12	7
Chromium	ppm	ASTM D5185m	>4	1	3	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	1
Lead	ppm	ASTM D5185m	>30	1	1	<1
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	48	4	12
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	50	52	57
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	547	798	693
Calcium	ppm	ASTM D5185m	1510	1518	1471	1550
Phosphorus	ppm	ASTM D5185m	780	828	720	906
Zinc	ppm	ASTM D5185m	870	974	1008	1099
Sulfur	ppm	ASTM D5185m	2040	2702	2357	2957
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	7	4
Sodium	ppm	ASTM D5185m		6	7	3
Potassium	ppm	ASTM D5185m	>20	2	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	7.0	12.1	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	23.5	18.8
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	21.4	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.2	4.3	7.4



OIL ANALYSIS REPORT



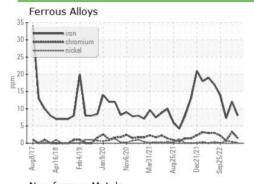


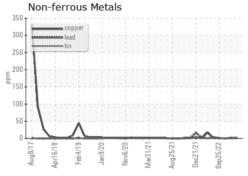


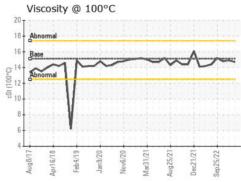
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

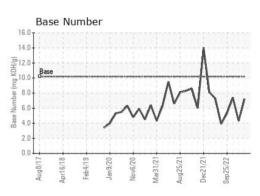
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.9	14.8

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

Lab Number : 06174963

: GFL0101771 Unique Number : 11021016

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 09 May 2024 **Tested** : 10 May 2024 Diagnosed : 10 May 2024 - Wes Davis

3010 HWY 378 Conway, SC US 29527

Contact: ARCILIO RUEZ aruiz@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: GFL030 [WUSCAR] 06174963 (Generated: 05/10/2024 16:50:45) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

GFL Environmental - 030 - Conway Myrtle Beach

F: