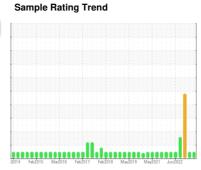


OIL ANALYSIS REPORT

(YA117932) 10422C

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (30 GAL)





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

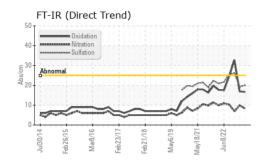
Fluid Condition

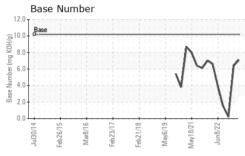
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

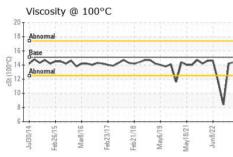
(30 GAL)		12014 Feb20	15 Mar2016 Feb2017	Feb2018 May2019 May2021 .	lun2022	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0123414	GFL0082426	GFL0082453
Sample Date		Client Info		18 Jun 2024	11 Jun 2024	02 Jun 2023
Machine Age	hrs	Client Info		99290	99290	5193
Oil Age	hrs	Client Info		99290	99290	366
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL		ABNORMAL
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	6	10	4
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	1	2	2
Lead	ppm	ASTM D5185m	>30	2	3	0
Copper	ppm	ASTM D5185m	>35	4	<u>^</u> 22	0
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	26	12	20
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	50	57	1 4
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	590	621	145
Calcium	ppm	ASTM D5185m	1510	1707	1632	519
Phosphorus	ppm	ASTM D5185m	780	849	850	376
Zinc	ppm	ASTM D5185m	870	1032	1059	271
Sulfur	ppm	ASTM D5185m	2040	3068	3043	1668
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	5	2
Sodium	ppm	ASTM D5185m		14	129	3
Potassium	ppm	ASTM D5185m	>20	3	5	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.3	9.9	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	19.3	26.2
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	16.9	▲ 32.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.1	6.4	△ 0.2
Dasc Number (DIN)	0 - 0					



OIL ANALYSIS REPORT



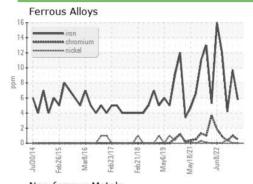


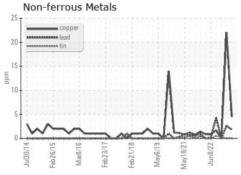


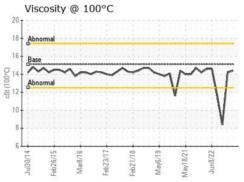
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

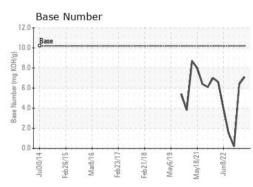
FLUID PROPE		method			riistory i	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.2	8.4

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0123414 Lab Number : 06215577 Unique Number : 11088441 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested** Diagnosed

: 21 Jun 2024 : 21 Jun 2024 - Wes Davis

GFL Environmental - 007 - Brunswick

2809 Galloway Road Bolivia, NC US 28422

Contact: DONALD CRAVEN dcraven@gflenv.com

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)

F: (910)253-4179

T: