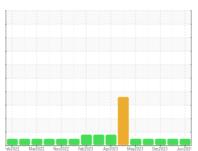


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

946027-260305

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

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

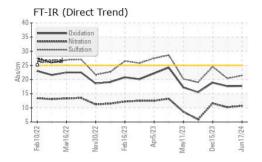
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

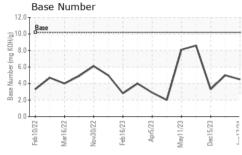
28 QTS)		-eb2022 Ma	mŽ022 NovŽ022 Feb 20:	23 Apr2023 May2023 Dec20	23 Jun2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0121768	GFL0106818	GFL0091999
Sample Date		Client Info		17 Jun 2024	22 Feb 2024	15 Dec 2023
/lachine Age	hrs	Client Info		3346	2736	2161
Dil Age	hrs	Client Info		0	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	28	9	24
Chromium	ppm	ASTM D5185m	>4	4	<1	2
Nickel	ppm	ASTM D5185m	>2	1	0	<1
- Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	9	4	6
_ead	ppm	ASTM D5185m	>30	0	0	2
Copper	ppm	ASTM D5185m	>35	<1	<1	4
Γin	ppm	ASTM D5185m	>4	<1	0	0
/anadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	3	2
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	55	48	60
Manganese	ppm	ASTM D5185m	0	1	<1	<1
Magnesium	ppm	ASTM D5185m	560	630	524	713
Calcium	ppm	ASTM D5185m	1510	1712	1399	1414
Phosphorus	ppm	ASTM D5185m	780	804	655	759
Zinc	ppm	ASTM D5185m	870	1038	885	1087
Sulfur	ppm	ASTM D5185m	2040	2953	2210	2585
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	8	3	10
Sodium	ppm	ASTM D5185m		8	4	17
Potassium	ppm	ASTM D5185m	>20	4	0	16
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.7	10.2	11.6
Sulfation	Abs/.1mm	*ASTM D7415		21.4	20.4	24.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	17.6	18.9
Page Number (PNI)		ACTM DOOG	10.2	A 5	5.0	2.2

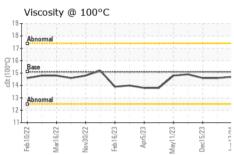
Base Number (BN) mg KOH/g ASTM D2896 10.2 4.5



OIL ANALYSIS REPORT



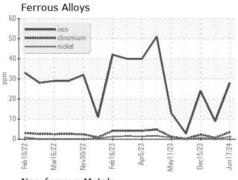


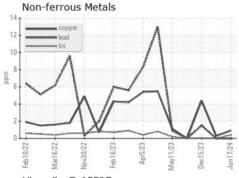


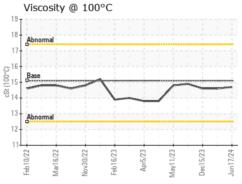
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

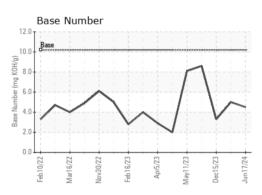
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.6	14.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0121768 Lab Number : 06216737

Unique Number : 11089601 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024

Tested : 24 Jun 2024 Diagnosed

: 24 Jun 2024 - Wes Davis

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@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)

T:

F: