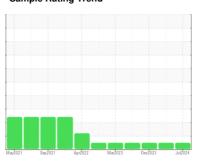


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **744003**

Natural Gas Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

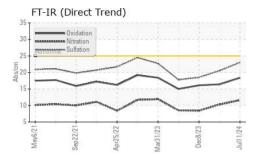
Fluid Condition

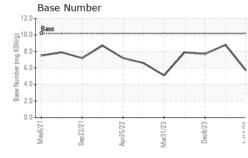
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

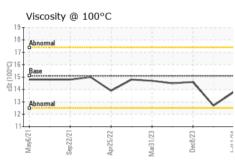
(LTR)		May2021	Sep2021 Apr2022	Mar2023 Dec2023	Jul2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119140	GFL0115494	GFL0094233
Sample Date		Client Info		11 Jul 2024	22 Mar 2024	08 Dec 2023
Machine Age	hrs	Client Info		22410	22410	21864
Oil Age	hrs	Client Info		22410	546	563
Oil Changed		Client Info		Changed	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	16	20	5
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	5	2	1
Lead	ppm	ASTM D5185m	>30	2	2	<1
Copper	ppm	ASTM D5185m	>35	2	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	4	26
Barium	ppm	ASTM D5185m	5	<1	0	11
Molybdenum	ppm	ASTM D5185m	50	61	59	50
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	646	881	544
Calcium	ppm	ASTM D5185m	1510	1516	1050	1467
Phosphorus	ppm	ASTM D5185m	780	785	1055	759
Zinc	ppm	ASTM D5185m	870	1085	1232	920
Sulfur	ppm	ASTM D5185m	2040	2581	3398	2693
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	3
Sodium	ppm	ASTM D5185m		26	17	4
Potassium	ppm	ASTM D5185m	>20	26	10	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.4	1.5	0
Nitration	Abs/cm	*ASTM D7624	>20	11.6	10.3	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	20.5	18.5
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	16.4	16.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.7	8.8	7.7

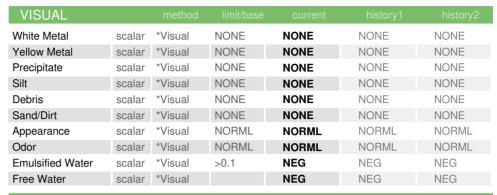


OIL ANALYSIS REPORT





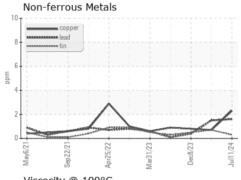


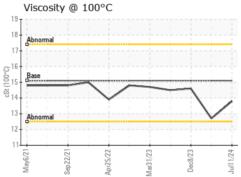


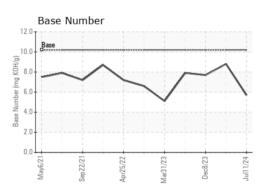
H	FLUID PROP	ERILES	method				history2
Vi	sc @ 100°C	cSt	ASTM D445	15.1	13.8	12.7	14.6

GRAPHS

Ferrous Alloys E 10











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0119140 Lab Number : 06235596 Unique Number : 11124430

Test Package : FLEET

Received : 15 Jul 2024 **Tested**

: 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis

GFL Environmental - 882 - Gainesville

5002 SW 41st Blvd Gainesville, FL US 32608

Contact: ROBERT CLARK robert.clark@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)

Report Id: GFL882 [WUSCAR] 06235596 (Generated: 07/15/2024 16:58:18) Rev: 1

Submitted By: CARL MIMS

T:

F: