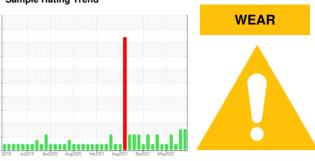


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 10770C

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (30 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the oil.

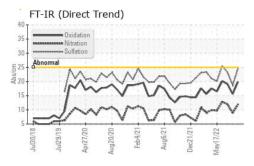
Fluid Condition

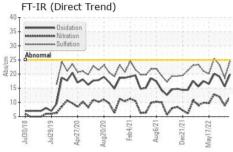
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

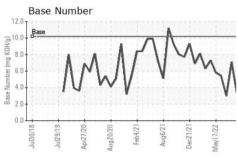
30 QTS) IZO18 Jud019 AugZ020 AugZ020 FebZ021 AugZ021 UncZ021 MayZ022						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0123390	GFL05985446	GFL0050772
Sample Date		Client Info		20 Jun 2024	19 Oct 2023	12 Apr 2023
Machine Age	hrs	Client Info		14518	0	14518
Oil Age	hrs	Client Info		14518	0	1171
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	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
ron	ppm	ASTM D5185m	>50	△ 60	△ 65	37
Chromium	ppm	ASTM D5185m	>4	<u>4</u>	<u>^</u> 6	1
Nickel	ppm	ASTM D5185m	>2	3	2	0
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	3	11
Lead	ppm	ASTM D5185m	>30	9	2	3
Copper	ppm	ASTM D5185m	>35	24	7	2
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	4	20	8
Barium	ppm	ASTM D5185m	5	<1	3	0
Molybdenum	ppm	ASTM D5185m	50	56	54	64
Manganese	ppm	ASTM D5185m	0	1	2	2
Magnesium	ppm	ASTM D5185m	560	565	543	967
Calcium	ppm	ASTM D5185m	1510	1816	1521	1147
Phosphorus	ppm	ASTM D5185m	780	738	758	1033
Zinc	ppm	ASTM D5185m	870	1051	940	1264
Sulfur	ppm	ASTM D5185m	2040	2877	2440	3761
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	13	13	4
Sodium	ppm	ASTM D5185m		17	14	3
Potassium	ppm	ASTM D5185m	>20	21	4	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.9	8.9	12.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	18.7	23.3
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	15.6	19.1
Base Number (BN)	mg KOH/g	ASTM D2896		3.4	7.1	3.0
	99					

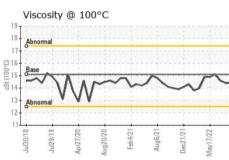


OIL ANALYSIS REPORT





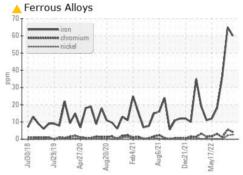


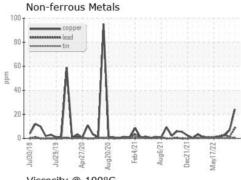


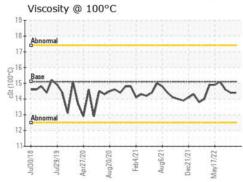
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

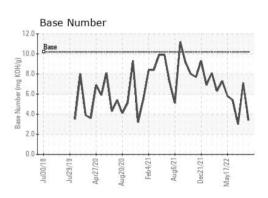
FLUID PHOP	ELLIES	memod	IIIIII/Dase	Current	HISTORY	HISTORY
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.4	14.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0123390 Lab Number : 06223345 Unique Number : 11101542

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2024

Tested : 01 Jul 2024 Diagnosed : 01 Jul 2024 - Don Baldridge

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

Report Id: GFL007 [WUSCAR] 06223345 (Generated: 07/01/2024 11:38:37) Rev: 1

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