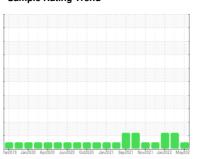


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 10897C Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (8 GAL)

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

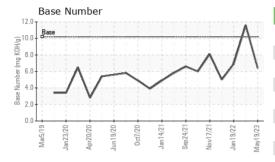
Fluid Condition

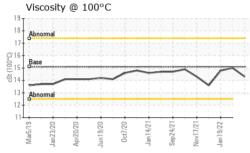
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

10 CAC)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0069707	GFL0043296	GFL0037982
Sample Date		Client Info		19 May 2023	24 Mar 2022	19 Jan 2022
Machine Age	hrs	Client Info		11390	8659	8397
Oil Age	hrs	Client Info		11390	262	592
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	9	14
Chromium	ppm	ASTM D5185m	>4	0	<1	2
Nickel	ppm	ASTM D5185m	>2	<1	1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	0	4	2
Lead	ppm	ASTM D5185m	>30	<1	2	<1
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	16	99	8
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	56	145	54
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	630	611	499
Calcium	ppm	ASTM D5185m	1510	1588	1280	1481
Phosphorus	ppm	ASTM D5185m	780	783	718	689
Zinc	ppm	ASTM D5185m	870	1025	903	906
Sulfur	ppm	ASTM D5185m	2040	2721	2465	2028
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	18	5
Sodium	ppm	ASTM D5185m		6	<u>▲</u> 757	<u>▲</u> 175
Potassium	ppm	ASTM D5185m	>20	2	39	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.2	7.1	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	22.2	21.3
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	15.5	17.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.4	11.6	6.9
())	0 - 0					



OIL ANALYSIS REPORT

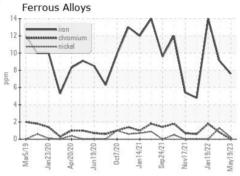


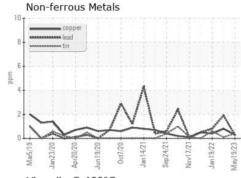


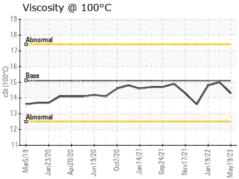
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

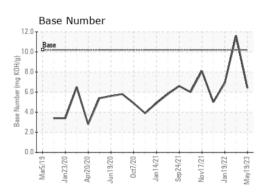
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	15.0	14.8

GRAPHS













Certificate L2367

Test Package : FLEET

Laboratory Sample No. Lab Number Unique Number : 10483192

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0069707 : 05853837

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 22 May 2023 Diagnosed : 23 May 2023 Diagnostician : Wes Davis

GFL Environmental - 031 - Greenville/Spartanburg 1635 Antioch Church Rd Piedmont, SC

US 29673 Contact: TECHNICIAN ACCOUNT catherine.anastasio@wearcheck.com

* - 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: