

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Recommendation

Contamination

(Si) above normal. Fluid Condition

suitable for further service.

gallons) **Wear** Machine Id GZJ00403 Component

Fluid

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Total oil added 89

Fuel content negligible. Elemental level of silicon

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is

All component wear rates are normal.

Biogas Engine

PETRO CANADA SENTRON CG 40 (--- GAL)

RON CG 40 (GAL)	n2022 Jul20	22 Aug2022 Oct2022	Nov2022 Dec2022 Jan2023	Mar2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0699074	WC0699067	WC0699020
Sample Date		Client Info		03 Apr 2023	27 Mar 2023	20 Mar 2023
Machine Age	hrs	Client Info		113379	113211	113046
Oil Age	hrs	Client Info		761	593	428
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMA
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>45	10	8	5
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>5	1	1	0
Copper	ppm	ASTM D5185m		2	2	1
Tin	ppm	ASTM D5185m	>13	5	4	1
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm		2	2	1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium		ASTM D5185m	9	19	16	13
Calcium	ppm	ASTM D5185m		3054	2898	2685
	ppm	ASTM D5185m	292		279	2005
Phosphorus	ppm			302		
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	342 2575	377 4106	352 3938	317 3588
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		▲ 369	▲ 284	▲ 205
Sodium	ppm	ASTM D5185m	200	<1	<1	<1
Potassium		ASTM D5185m	> 20	0	<1	0
Fuel	ppm %	ASTM D318511		0.3	0.4	0.3
	70					
INFRA-RED	0(method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	00	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		5.5	5.2	5.0
	AL / /	**				10/
Sulfation	Abs/.1mm	*ASTM D7415		20.7	19.7	18.4
		method	>30 limit/base	current	history1	history2
Sulfation FLUID DEGRADA Oxidation						history2 9.8
Sulfation FLUID DEGRADA Oxidation		method	limit/base >25	current	history1	history2
Sulfation FLUID DEGRADA	Abs/.1mm	method *ASTM D7414	limit/base >25 0.98	current 11.5	history1 10.7	history2 9.8



OIL ANALYSIS REPORT

scalar

method

*Visual

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

>0.1

13.5

current

NONE

NONE

NONE

NONE

NONE

NONE

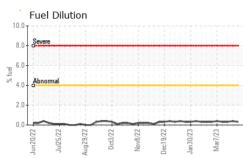
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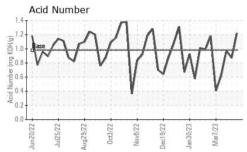
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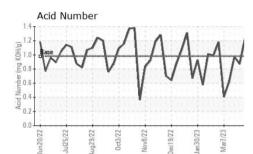
current

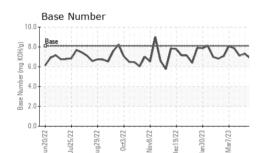
NEG

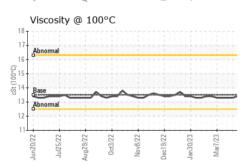
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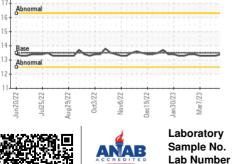


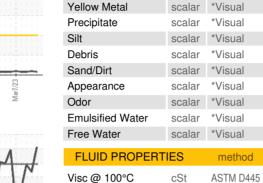






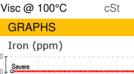




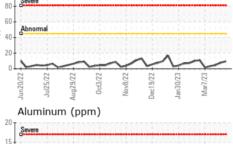


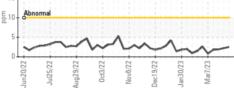
VISUAL

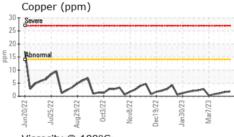
White Metal

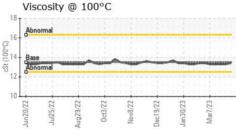


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: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

: WC0699074

: 05813530

Unique Number : 10416322

Received

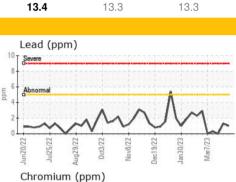
Diagnosed

Tested

: 06 Apr 2023

: 11 Apr 2023

: 11 Apr 2023 - Don Baldridge



history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NFG

NEG

history2

NONE

NONE

NONE

NONE

NONE

NONE

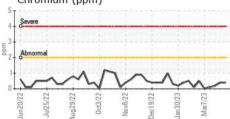
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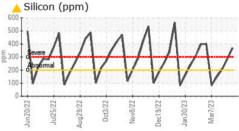
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history2

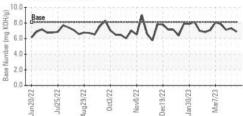
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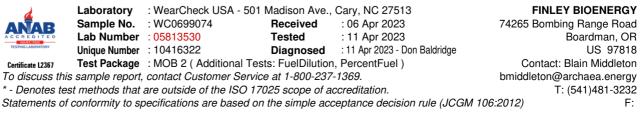
NEG





Base Number





Certificate L2367 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.

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