

OIL ANALYSIS REPORT

Sample Rating Trend



2 (S/N GZJ00315) Component

Natural Gas Engine

PETRO CANADA SENTRON CG 40 (145 GAL)

DIRT

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		WC0799182	WC0799176	WC0699070
No corrective action is recommended at this time.	Sample Date		Client Info		15 May 2023	08 May 2023	01 May 2023
Resample at the next service interval to monitor. (Machine Age	hrs	Client Info		118603	118444	118276
Customer Sample Comment: Total oil added 46	Oil Age	hrs	Client Info		563	404	235
gallons)	Oil Changed		Client Info		N/A	N/A	N/A
Wear All component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination	CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel content negligible. Elemental level of silicon (Si) above normal.	Water		WC Method	>0.1	NEG	NEG	NEG
Fluid Condition	WEAR METALS		method	limit/base	current	history1	history2
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 suitable for further service.	Iron	ppm	ASTM D5185m	>50	5	4	2
	Chromium	ppm	ASTM D5185m	>4	1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	<1
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>9	2	3	2
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>35	1	<1	1
	Tin	ppm	ASTM D5185m		3	4	1
	Vanadium	ppm	ASTM D5185m		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	0
	Molybdenum	ppm	ASTM D5185m	2	<1	<1	<1
	Manganese	ppm	ASTM D5185m	1	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	9	13	9	13
	Calcium	ppm	ASTM D5185m	2712	2973	3096	2791
	Phosphorus	ppm	ASTM D5185m	292	288	303	274
	Zinc	ppm	ASTM D5185m	342	352	361	343
	Sulfur	ppm	ASTM D5185m	2575	4089	4766	4108
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>+100	A 301	A 216	1 34
	Sodium	ppm	ASTM D5185m		1	2	2
	Potassium	ppm	ASTM D5185m	>20	0	<1	<1
	Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.3
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844		0.1	0	0
	Nitration	Abs/cm	*ASTM D7624	>20	5.0	5.0	4.1
	Sulfation	Abs/.1mm	*ASTM D7415		19.0	17.5	14.5
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	10.0	9.3	8.1
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.82	0.91	0.90
	Base Number (BN)	mg KOH/g	ASTM D2896		7.56	7.63	7.68



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method

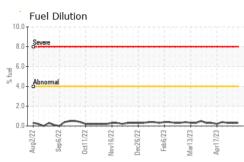
limit/base

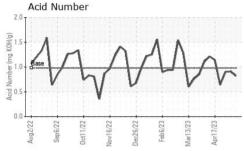
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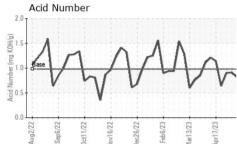
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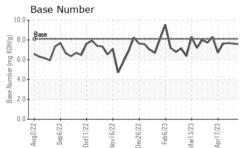
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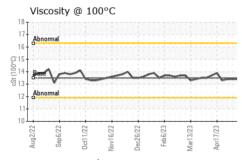
VISUAL

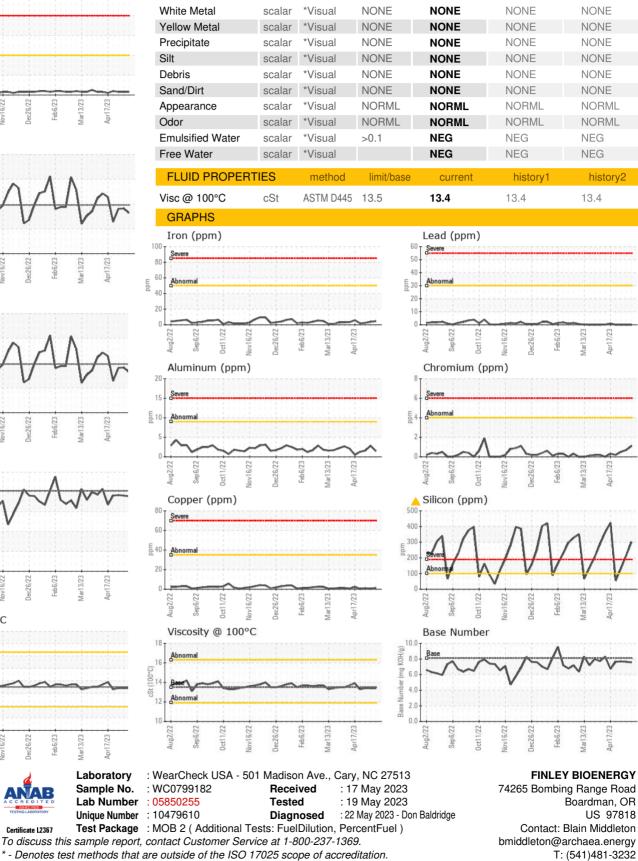












* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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