



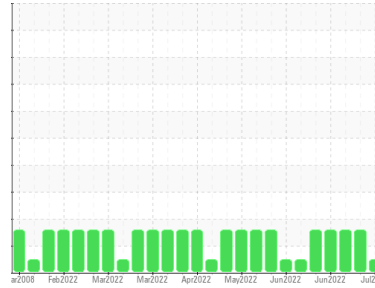
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
2 (S/N GZJ00315)
 Component
Natural Gas Engine
 Fluid
PETRO CANADA SENTRON CG 40 (145 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Total oil added 22 gal)

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0697939	WC0699030	WC0699034
Sample Date	Client Info		18 Jul 2022	11 Jul 2022	06 Jul 2022
Machine Age	hrs	Client Info	111600	111439	111328
Oil Age	hrs	Client Info	84	929	818
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			NORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	2	8	7
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>9	2	4	3
Lead	ppm	ASTM D5185m	>30	1	3	3
Copper	ppm	ASTM D5185m	>35	<1	3	3
Tin	ppm	ASTM D5185m	>4	2	7	6
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	3	2	3
Barium	ppm	ASTM D5185m	1	0	2	0
Molybdenum	ppm	ASTM D5185m	2	1	2	1
Manganese	ppm	ASTM D5185m	1	0	<1	<1
Magnesium	ppm	ASTM D5185m	9	13	12	10
Calcium	ppm	ASTM D5185m	2712	2745	3330	2785
Phosphorus	ppm	ASTM D5185m	292	263	324	267
Zinc	ppm	ASTM D5185m	342	322	417	334
Sulfur	ppm	ASTM D5185m	2575	3539	4223	3718

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>+100	67	▲ 389	▲ 363
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	1	1
Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.6

INFRA-RED

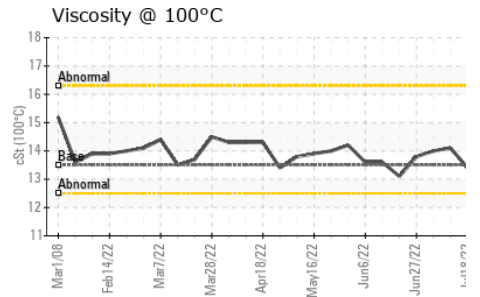
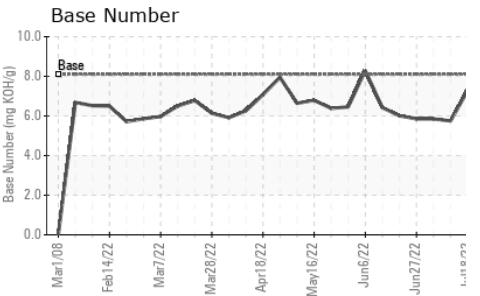
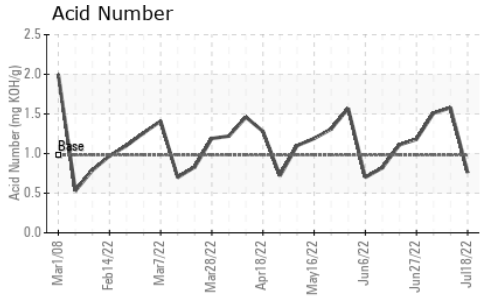
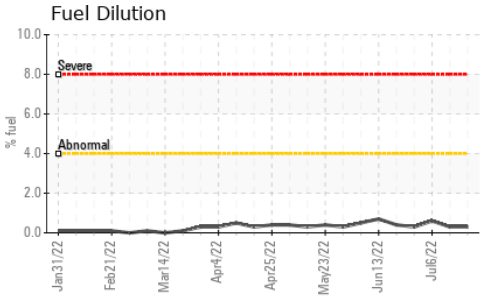
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	4.7	7.3	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.3	25.7	23.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.0	16.9	15.4
Acid Number (AN)	mg KOH/g	ASTM D8045	0.98	0.76	1.58	1.51
Base Number (BN)	mg KOH/g	ASTM D2896	8.1	7.27	5.75	5.85



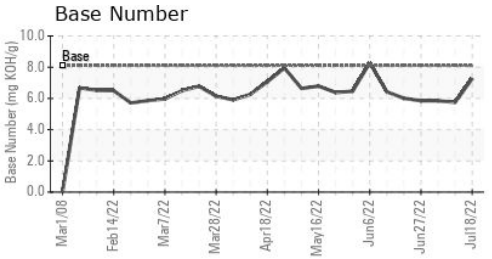
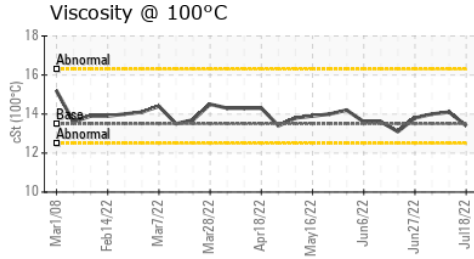
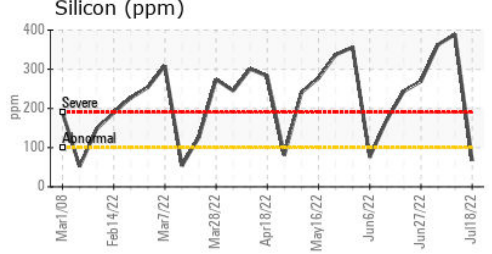
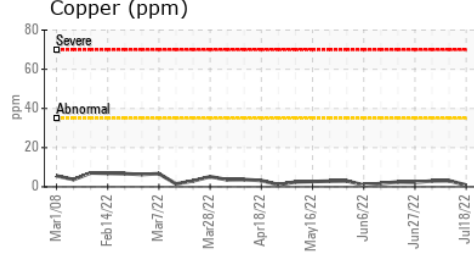
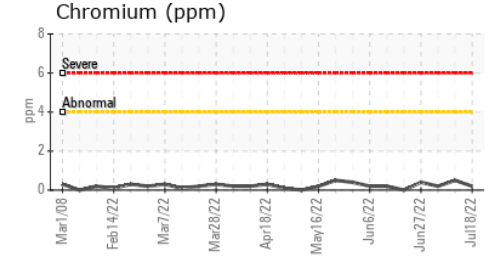
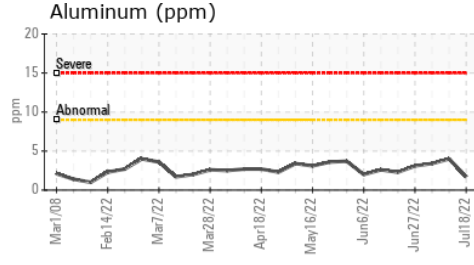
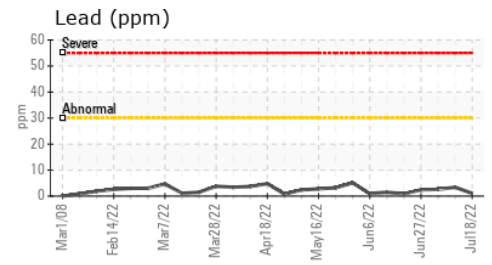
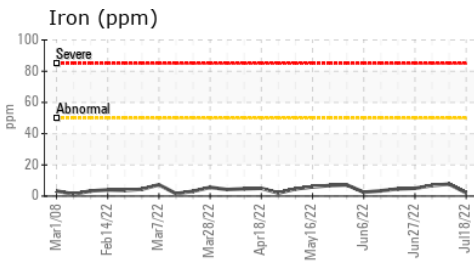
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	13.5	13.4	14.1	14.0

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0697939 **Received** : 20 Jul 2022
Lab Number : **05596532** **Tested** : 22 Jul 2022
Unique Number : 10061012 **Diagnosed** : 22 Jul 2022 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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 T: (541)481-3232
 F:

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