

Machine Id
GUASCOR SLAMANS NG2
Component
Natural Gas Engine
Fluid
PETRO CANADA SENTRON LD 5000 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0078884	PC0078868	PC0074657
Sample Date		Client Info		01 Feb 2024	29 Nov 2023	08 May 2023
Machine Age	hrs	Client Info		7514	6354	5044
Oil Age	hrs	Client Info		1160	1310	1366
Filter Age	hrs	Client Info		1160	1310	1366
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	2	3	2
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	2	2	2
Lead	ppm	ASTM D5185(m)	>30	0	1	<1
Copper	ppm	ASTM D5185(m)	>35	<1	2	2
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

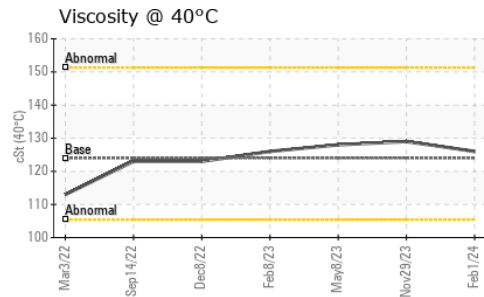
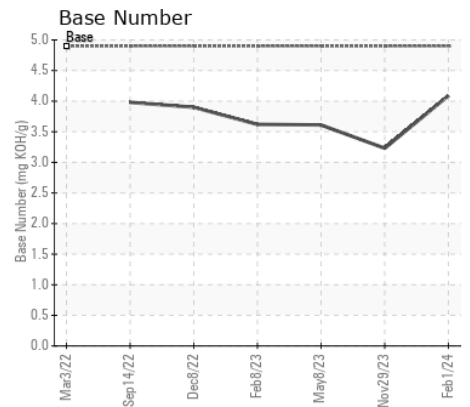
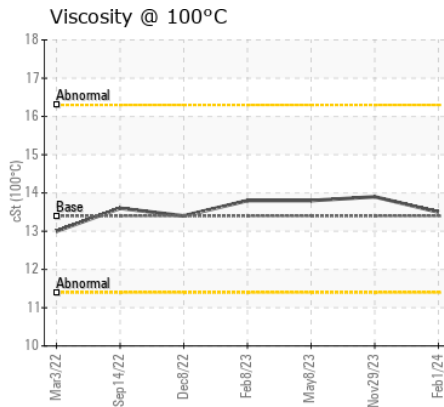
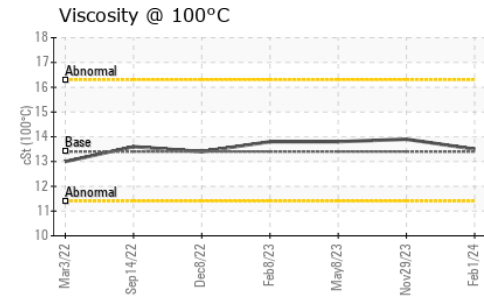
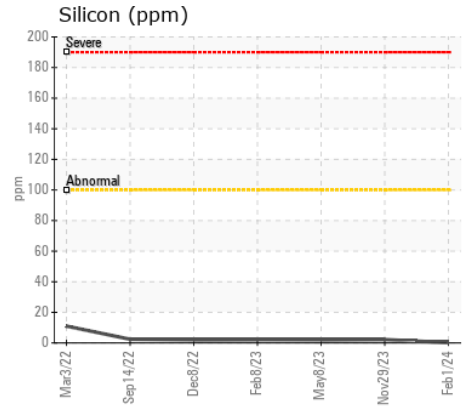
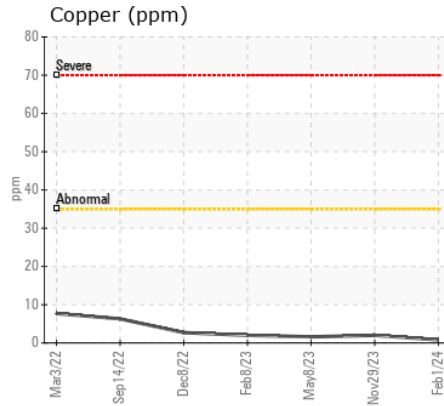
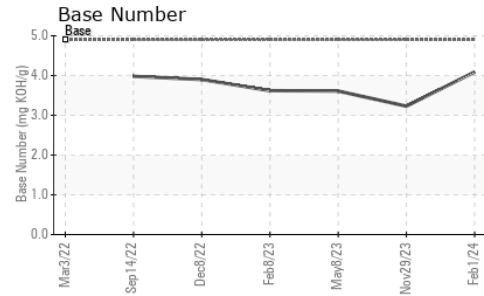
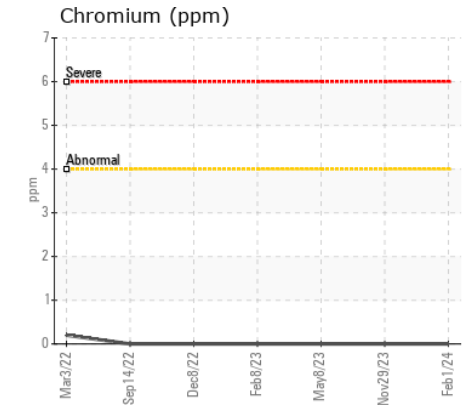
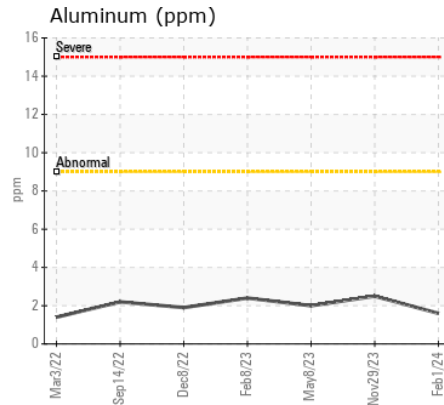
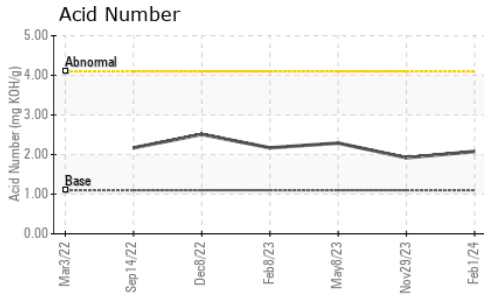
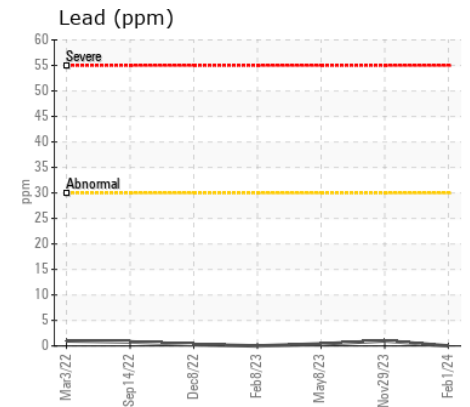
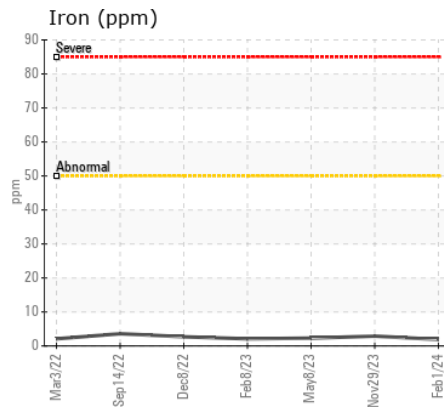
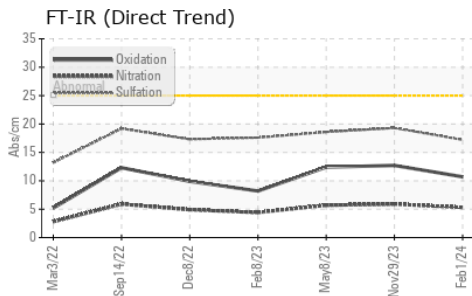
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<1	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.3	5.9	5.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.2	19.3	18.6
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185(m)		<1	1	<1
Boron	ppm	ASTM D5185(m)	2	2	1	<1
Barium	ppm	ASTM D5185(m)	3	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	4	10	13	12
Calcium	ppm	ASTM D5185(m)	1727	1912	2004	1979
Phosphorus	ppm	ASTM D5185(m)	272	282	314	324
Zinc	ppm	ASTM D5185(m)	333	351	384	378
Sulfur	ppm	ASTM D5185(m)	3415	2717	3028	2861
Oxidation	Abs/.1mm	ASTM D7414*	>25	10.7	12.7	12.4
Acid Number (AN)	mg KOH/g	ASTM D974*	1.1	2.08	1.92	2.29
Base Number (BN)	mg KOH/g	ASTM D2896*	4.9	4.09	3.23	3.61
i-pH	Scale 0-14	ASTM D7946*	<4.5	6.55	▲ 4.21	4.55
Visc @ 40°C	cSt	ASTM D7279(m)	124.0	126	129	128
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	13.5	13.9	13.8
Viscosity Index (VI)	Scale	ASTM D2270*	104	102	104	104



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078884
Lab Number : 02626588
Unique Number : 5759720
Test Package : MOB 2 (Additional Tests: i-pH, KV40, TAN Auto, TAN Man, VI)

Received : 04 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Wes Davis

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.