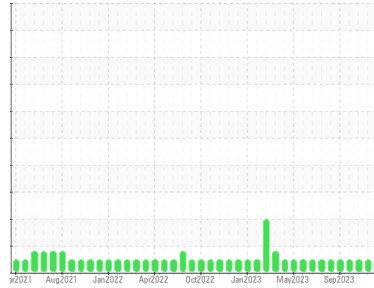
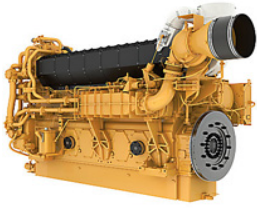


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
K601
Component
Natural Gas Compression Engine
Fluid
PETRO CANADA SENTRON LD 3000 (--- LTR)

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 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		PC0089508	PC0085507	PC0085493
Sample Date	Client Info		25 Mar 2024	16 Feb 2024	17 Jan 2024
Machine Age	hrs	Client Info	31098	30354	29659
Oil Age	hrs	Client Info	23387	0	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	<1.0
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 D5185(m)	>14	<1	1	<1
Chromium	ppm	ASTM D5185(m)	>3	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	2	1
Lead	ppm	ASTM D5185(m)	>8	0	0	0
Copper	ppm	ASTM D5185(m)	>5	2	<1	<1
Tin	ppm	ASTM D5185(m)	>3	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	5	1	<1	<1
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	2	0	<1	0
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	5	7	8	7
Calcium	ppm	ASTM D5185(m)	1220	1234	1349	1231
Phosphorus	ppm	ASTM D5185(m)	298	263	283	257
Zinc	ppm	ASTM D5185(m)	350	305	333	303
Sulfur	ppm	ASTM D5185(m)	1995	1967	2222	2068
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

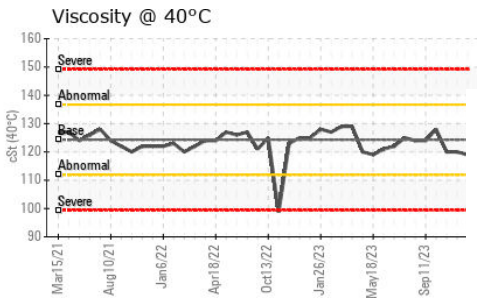
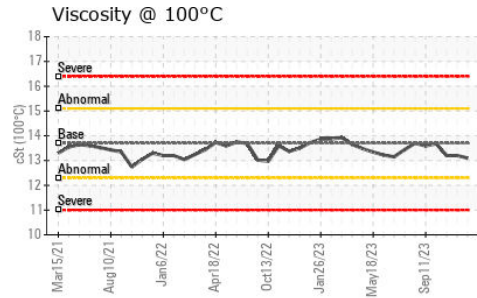
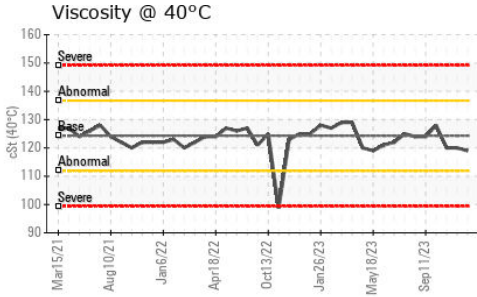
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>180	0	1	1
Sodium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>15	2.5	4.2	3.3
Nitration(Diff)	Abs/cm	ASTM E2412*		0.8	4.7	2.2
Sulfation	Abs.1mm	ASTM D7415*	>25	13.6	16.1	14.8
Sulfation(Diff)	Abs/cm	ASTM E2412*		0.8	5.8	2.5

OIL ANALYSIS REPORT

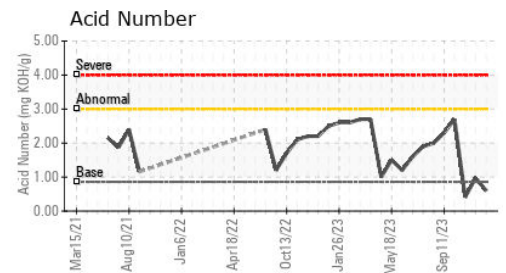
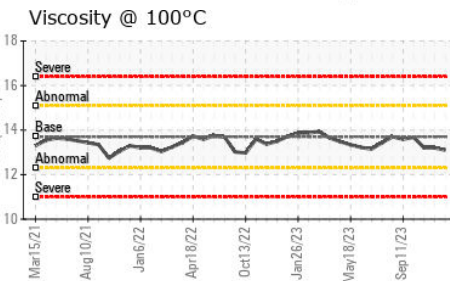
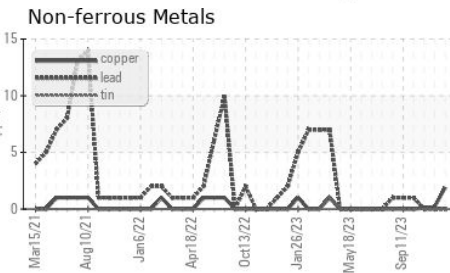
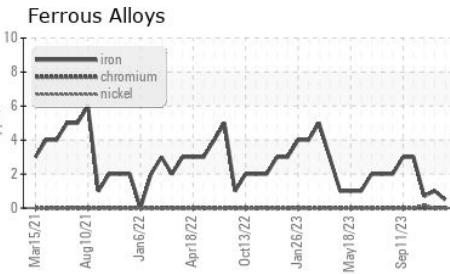


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>20	6.9	9.5	7.9
Oxidation(Diff)	Abs/cm	ASTM E2412*		1.3	6.2	2.8
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	0.60	0.97	0.41

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	VLITE	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	119	120	120
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	13.1	13.2	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	106	104	104	104

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0089508
Lab Number : **02625654**
Unique Number : 5750773
Test Package : GEO 2 (Additional Tests: FT-IR, FT-IR(Diff), TAN Man)

Received : 01 Apr 2024
Tested : 01 Apr 2024
Diagnosed : 02 Apr 2024 - Bill Quesnel

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.

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 Contact: Eldon Weaver
 eweaver@nvaenergy.com

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