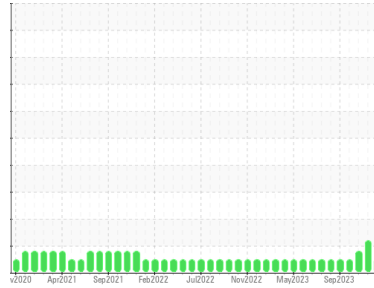


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
K611
Component
Reciprocating Compressor
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

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

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		PC0089500	PC0085499	PC0085485
Sample Date	Client Info		27 Mar 2024	16 Feb 2024	17 Jan 2024
Machine Age	hrs	Client Info	19542	19159	19000
Oil Age	hrs	Client Info	18685	0	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	2	2
Chromium	ppm	ASTM D5185(m)	>10	0	0
Nickel	ppm	ASTM D5185(m)		0	<1
Titanium	ppm	ASTM D5185(m)		0	0
Silver	ppm	ASTM D5185(m)		0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	1
Lead	ppm	ASTM D5185(m)	>25	0	<1
Copper	ppm	ASTM D5185(m)	>50	21	20
Tin	ppm	ASTM D5185(m)	>15	0	<1
Antimony	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	1	<1
Barium	ppm	ASTM D5185(m)	1	0	0
Molybdenum	ppm	ASTM D5185(m)	2	0	0
Manganese	ppm	ASTM D5185(m)	1	0	0
Magnesium	ppm	ASTM D5185(m)	5	6	7
Calcium	ppm	ASTM D5185(m)	1220	1498	1383
Phosphorus	ppm	ASTM D5185(m)	298	279	272
Zinc	ppm	ASTM D5185(m)	350	199	239
Sulfur	ppm	ASTM D5185(m)	1995	2122	2150
Lithium	ppm	ASTM D5185(m)		<1	<1

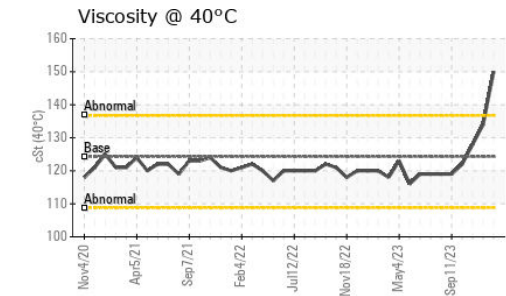
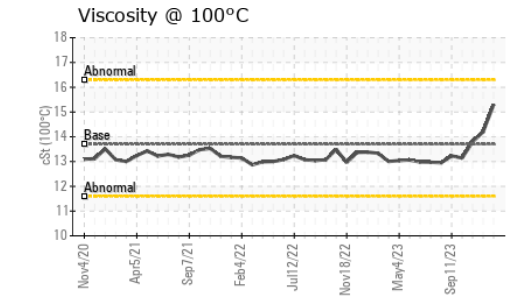
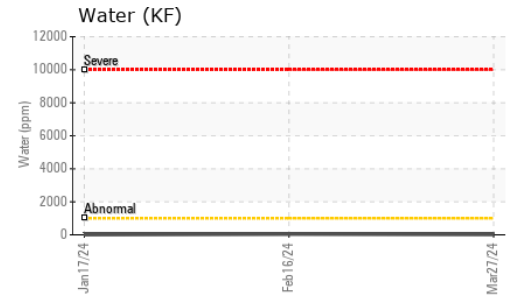
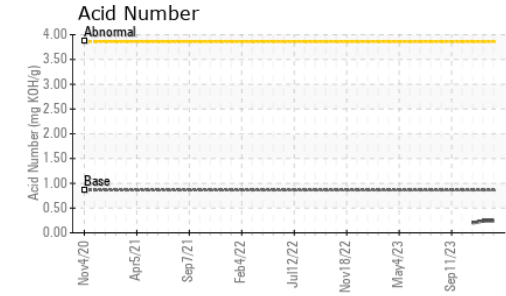
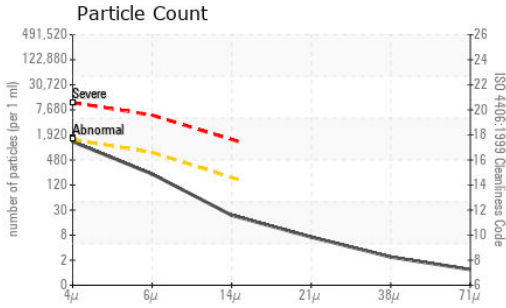
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	6
Sodium	ppm	ASTM D5185(m)		<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1
Water	%	ASTM D6304*	>0.1	0.001	0.003
ppm Water	ppm	ASTM D6304*	>1000	5	36

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	1160	▲ 30720	▲ 4837
Particles >6µm	ASTM D7647	>640	194	▲ 3133	267
Particles >14µm	ASTM D7647	>160	20	40	10
Particles >21µm	ASTM D7647	>40	6	5	3
Particles >38µm	ASTM D7647	>10	2	1	1
Particles >71µm	ASTM D7647	>3	1	1	1
Oil Cleanliness	ISO 4406 (c)	>17/16/14	17/15/11	▲ 22/19/12	▲ 19/15/10

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0089500 **Received** : 01 Apr 2024
Lab Number : **02625709** **Tested** : 02 Apr 2024
Unique Number : 5750828 **Diagnosed** : 02 Apr 2024 - Bill Quesnel
Test Package : GEO 2 (Additional Tests: KF)

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.

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	0.24	0.24	0.20

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	NONE	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	150	134	128
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	15.3	14.2	13.8
Viscosity Index (VI)	Scale	ASTM D2270*	106	103	103	104

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						