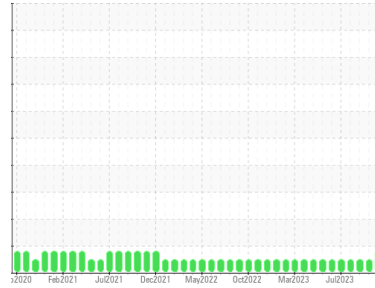
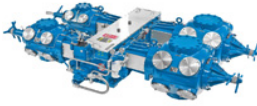


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
K611
Component
Reciprocating Compressor
Fluid
PETRO CANADA SENTRON LD 3000 (--- LTR)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0085485	PC90000452	PC90000422
Sample Date	Client Info	17 Jan 2024	30 Oct 2023	11 Sep 2023
Machine Age	hrs	19000	18685	18055
Oil Age	hrs	0	2084	1454
Oil Changed	Client Info	Not Chngd	Changed	Not Chngd
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >50	2	3	3
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m)	<1	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	1	2	1
Lead	ppm	ASTM D5185(m) >25	1	0	1
Copper	ppm	ASTM D5185(m) >50	17	23	21
Tin	ppm	ASTM D5185(m) >15	<1	1	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	0	0
Manganese	ppm	ASTM D5185(m) 1	0	0	0
Magnesium	ppm	ASTM D5185(m) 5	6	6	7
Calcium	ppm	ASTM D5185(m) 1220	1303	1238	1252
Phosphorus	ppm	ASTM D5185(m) 298	264	283	267
Zinc	ppm	ASTM D5185(m) 350	256	298	303
Sulfur	ppm	ASTM D5185(m) 1995	2087	---	---
Lithium	ppm	ASTM D5185(m)	<1	0	0

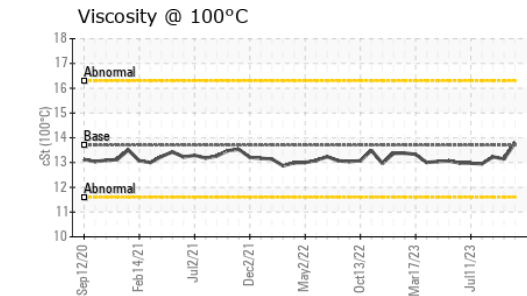
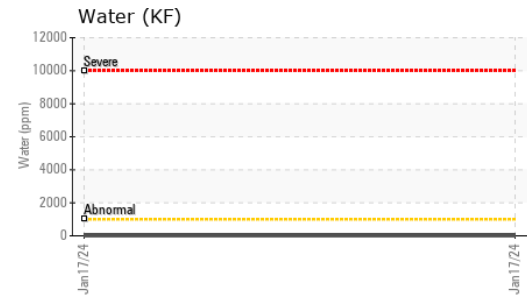
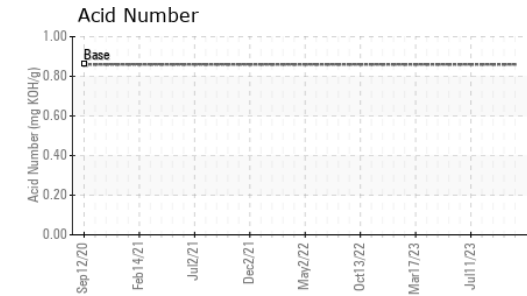
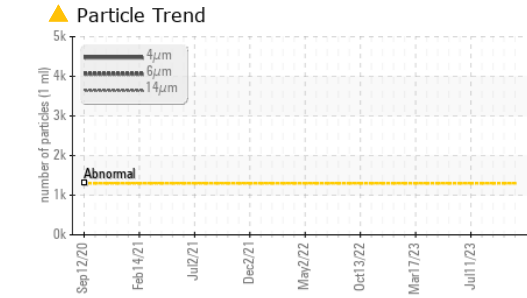
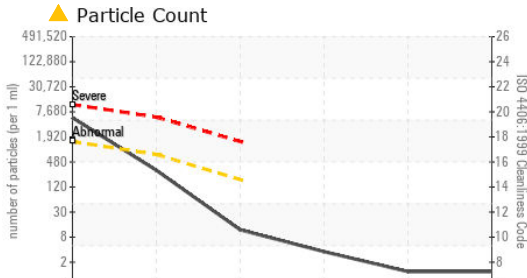
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >25	4	2	1
Sodium	ppm	ASTM D5185(m)	<1	0	0
Potassium	ppm	ASTM D5185(m) >20	1	0	0
Water	%	ASTM D6304* >0.1	0.001	---	---
ppm Water	ppm	ASTM D6304* >1000	7	---	---

INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	0	---	---
Nitration	Abs/cm	ASTM D7624*	2.5	---	0
Nitration(Diff)	Abs/cm	ASTM E2412*	0.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	13.6	---	0
Sulfation(Diff)	Abs/cm	ASTM E2412*	0.2	---	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085485 **Received** : 02 Feb 2024
Lab Number : 02613134 **Diagnosed** : 05 Feb 2024
Unique Number : 5722229 **Diagnostician** : Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(Diff), KF, KV100, VI)



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 CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	▲ 4837	---	---
Particles >6µm	ASTM D7647	>640	267	---	---
Particles >14µm	ASTM D7647	>160	10	---	---
Particles >21µm	ASTM D7647	>40	3	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>17/16/14	▲ 19/15/10	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	6.4	---	0
Oxidation(Diff)	Abs/cm	ASTM E2412*	1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	128	122
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	13.8	13.14
Viscosity Index (VI)	Scale	ASTM D2270*	106	104	101

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image