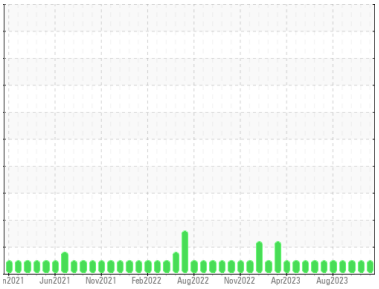
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
K600
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		**PC0085505**	PC0085495	PC90000887
Sample Date		Client Info		**16 Feb 2024**	17 Jan 2024	25 Oct 2023
Machine Age	hrs	Client Info		**30859**	30149	28203
Oil Age	hrs	Client Info		**0**	0	4722
Oil Changed		Client Info		**Not Changd**	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
Glycol		WC Method		**NEG**	NEG	NEG

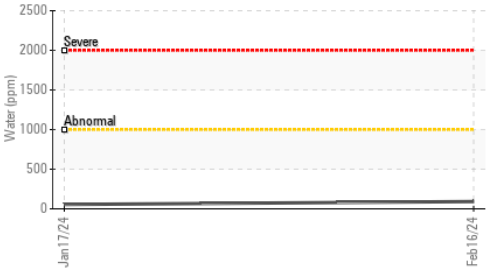
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>20	**0**	0	---
Iron	ppm	ASTM D5185(m)	>14	**1**	<1	4
Chromium	ppm	ASTM D5185(m)	>3	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>5	**0**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>5	**1**	1	2
Lead	ppm	ASTM D5185(m)	>8	**0**	0	2
Copper	ppm	ASTM D5185(m)	>5	**<1**	<1	0
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	**<1**	0	1
Manganese	ppm	ASTM D5185(m)	1	**0**	0	0
Magnesium	ppm	ASTM D5185(m)	5	**7**	7	10
Calcium	ppm	ASTM D5185(m)	1220	**1327**	1223	1815
Phosphorus	ppm	ASTM D5185(m)	298	**279**	265	386
Zinc	ppm	ASTM D5185(m)	350	**331**	304	484
Sulfur	ppm	ASTM D5185(m)	1995	**2185**	2148	---
Lithium	ppm	ASTM D5185(m)		**<1**	<1	0

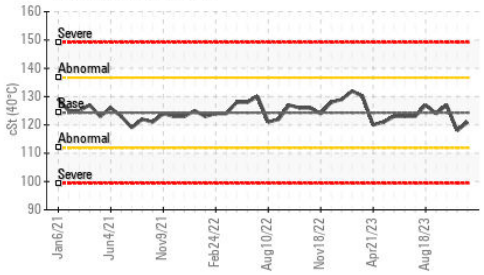
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>180	**1**	2	2
Sodium	ppm	ASTM D5185(m)	>20	**1**	1	1
Potassium	ppm	ASTM D5185(m)	>20	**3**	4	0
Water	%	ASTM D6304*	>0.1	**0.009**	0.005	---
ppm Water	ppm	ASTM D6304*	>1000	**92**	55	---

OIL ANALYSIS REPORT

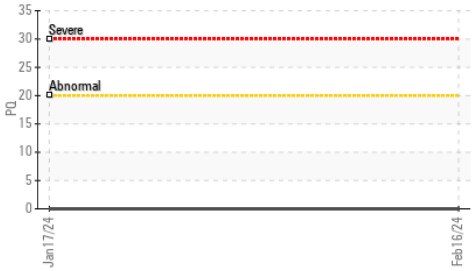
Water (KF)



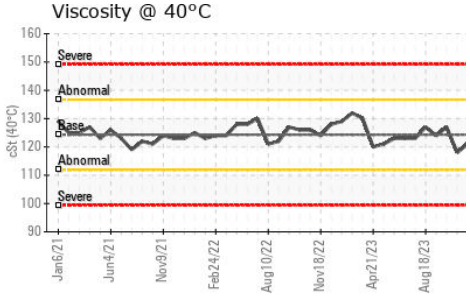
Viscosity @ 40°C



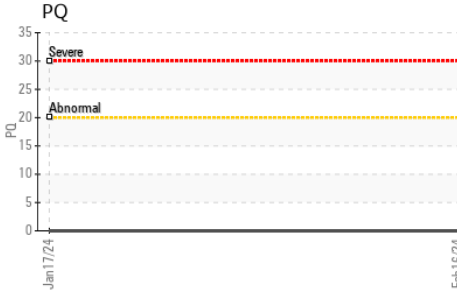
PQ



Viscosity @ 40°C



PQ



INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	---
Nitration	Abs/cm	ASTM D7624*	>15	**4.1**	3.1	6.3
Nitration(Diff)	Abs/cm	ASTM E2412*		**4.3**	2	---
Sulfation	Abs/.1mm	ASTM D7415*	>25	**15.8**	14.6	22.3
Sulfation(Diff)	Abs/cm	ASTM E2412*		**5.2**	2.3	---

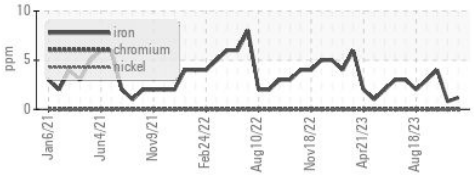
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>20	**9.2**	7.8	18.3
Oxidation(Diff)	Abs/cm	ASTM E2412*		**5.8**	2.6	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	**1.43**	0.38	2.9

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	---

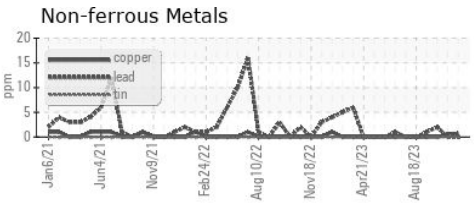
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	**121**	118	127
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	**13.3**	13.1	13.51
Viscosity Index (VI)	Scale	ASTM D2270*	106	**104**	105	101

GRAPHS

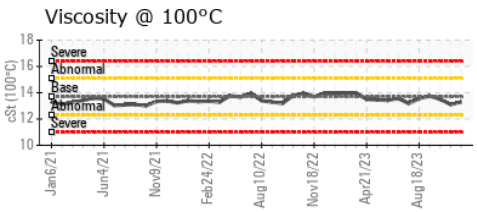
Ferrous Alloys



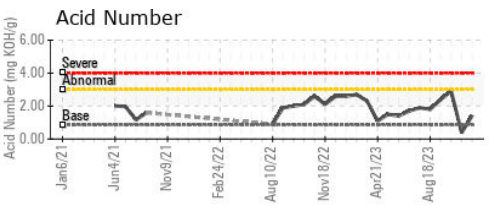
Non-ferrous Metals



Viscosity @ 100°C



Acid Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085505 **Received** : 23 Feb 2024
Lab Number : 02617624 **Tested** : 26 Feb 2024
Unique Number : 5734734 **Diagnosed** : 26 Feb 2024 - Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(Diff), KV100, TAN Man, 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.

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