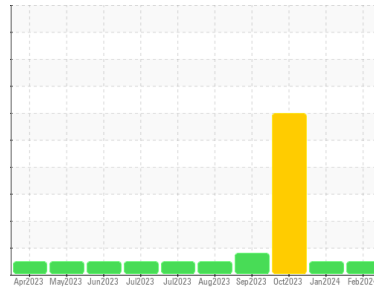
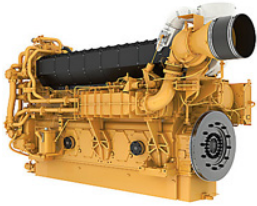


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
K604
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

The water content is negligible. 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		PC0085503	PC0085488	PC90000504
Sample Date	Client Info		16 Feb 2024	17 Jan 2024	25 Oct 2023
Machine Age	hrs	Client Info	7307	6606	4648
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	SEVERE

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	5
Chromium	ppm	ASTM D5185(m)	>3	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>5	1	1	1
Lead	ppm	ASTM D5185(m)	>8	2	2	18
Copper	ppm	ASTM D5185(m)	>5	<1	<1	2
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

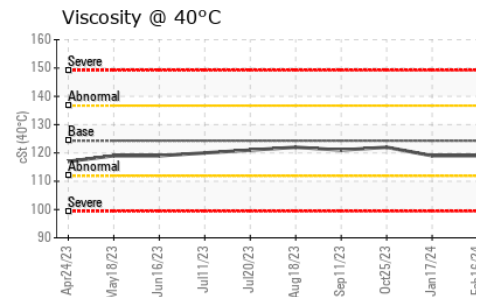
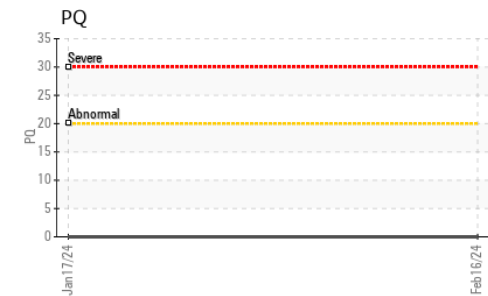
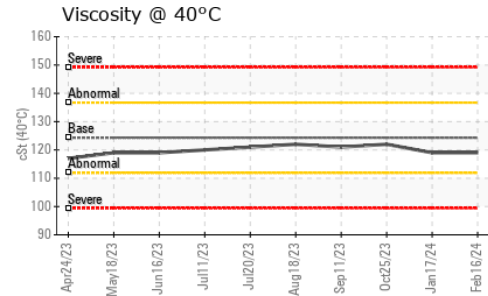
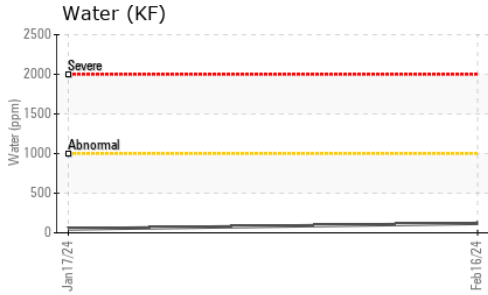
ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	5	1	1	4
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	2	<1	<1	1
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	5	7	7	8
Calcium	ppm	ASTM D5185(m)	1220	1292	1272	1323
Phosphorus	ppm	ASTM D5185(m)	298	269	270	292
Zinc	ppm	ASTM D5185(m)	350	316	312	345
Sulfur	ppm	ASTM D5185(m)	1995	2146	2186	---
Lithium	ppm	ASTM D5185(m)		<1	<1	0

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>180	<1	<1	2
Sodium	ppm	ASTM D5185(m)	>20	<1	<1	1
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
Water	%	ASTM D6304*	>0.1	0.011	0.004	---
ppm Water	ppm	ASTM D6304*	>1000	119	49	---

OIL ANALYSIS REPORT



INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>15	4.1	3.8	5.8
Nitration(Diff)	Abs/cm	ASTM E2412*		4.6	3.4	---
Sulfation	Abs./1mm	ASTM D7415*	>25	15.9	15.4	19.9
Sulfation(Diff)	Abs/cm	ASTM E2412*		5.4	3.6	---

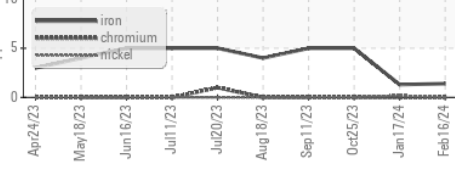
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>20	9.3	8.6	15.8
Oxidation(Diff)	Abs/cm	ASTM E2412*		6.1	4.2	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	0.60	0.20	2.9

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	---

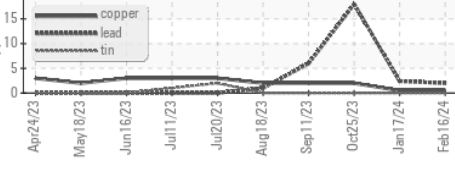
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	119	119	122
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	13.2	13.2	13.11
Viscosity Index (VI)	Scale	ASTM D2270*	106	105	105	101

GRAPHS

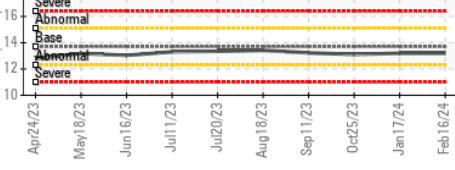
Ferrous Alloys



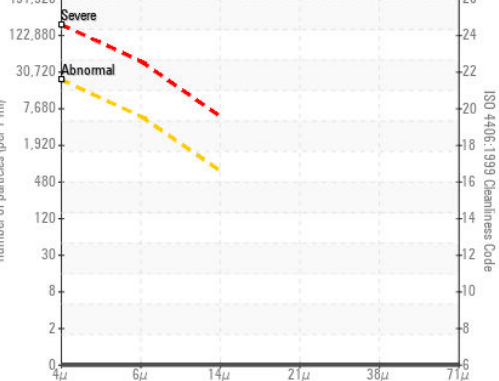
Non-ferrous Metals



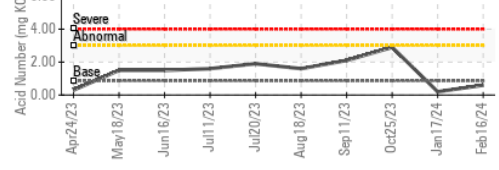
Viscosity @ 100°C



Particle Count



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085503 **Received** : 23 Feb 2024
Lab Number : **02617662** **Tested** : 27 Feb 2024
Unique Number : 5734772 **Diagnosed** : 27 Feb 2024 - Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(Diff), KV100, VI)

NuVista Energy
 10508 67 Ave, #201
 Grande Prairie, AB
 CA T8W 0K8
 Contact: Eldon Weaver
 eweaver@nvaenergy.com

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.

T:
F: