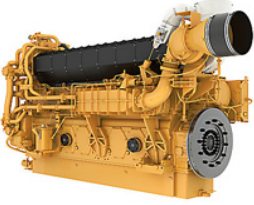


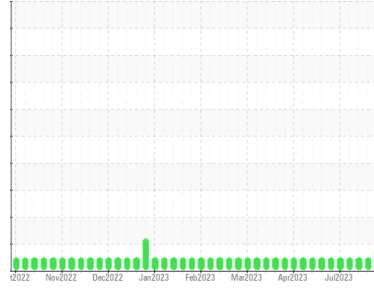
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
K603
Component
Natural Gas Compression Engine
Fluid
PETRO CANADA SENTRON LD SYNTHETIC BLEND (--- 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 oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. 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		PC0085486	PC90000536	PC90000568
Sample Date	Client Info		22 Jan 2024	25 Oct 2023	11 Sep 2023
Machine Age	hrs	Client Info	27655	25569	24639
Oil Age	hrs	Client Info	0	3794	2864
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m) >14	3	4	3
Chromium	ppm	ASTM D5185(m) >3	0	0	0
Nickel	ppm	ASTM D5185(m) >5	<1	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	2	2	2
Lead	ppm	ASTM D5185(m) >8	<1	0	0
Copper	ppm	ASTM D5185(m) >5	<1	0	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

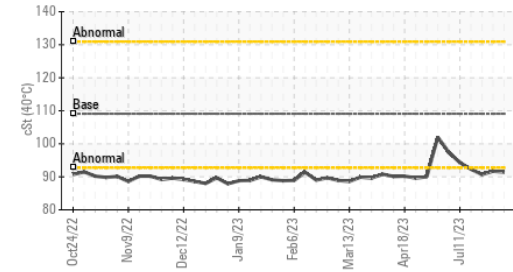
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	1	2	1
Barium	ppm	ASTM D5185(m) 0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<1	1	0
Manganese	ppm	ASTM D5185(m) 0	0	0	0
Magnesium	ppm	ASTM D5185(m) 3	7	5	6
Calcium	ppm	ASTM D5185(m) 1402	1645	2062	1960
Phosphorus	ppm	ASTM D5185(m) 246	301	404	361
Zinc	ppm	ASTM D5185(m) 305	376	540	512
Sulfur	ppm	ASTM D5185(m) 2310	2648	---	---
Lithium	ppm	ASTM D5185(m)	<1	0	0

CONTAMINANTS

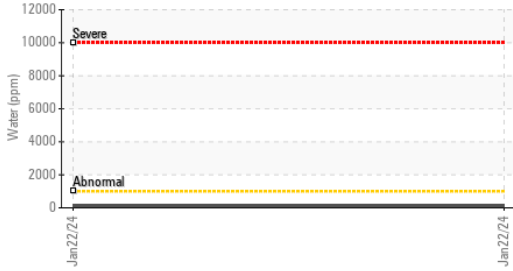
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >180	2	3	2
Sodium	ppm	ASTM D5185(m)	<1	1	1
Potassium	ppm	ASTM D5185(m) >20	<1	0	0
Fuel	%	ASTM D7593* >4.0	<1.0	<1.0	<1.0
Water	%	ASTM D6304* >0.1	0.012	---	---
ppm Water	ppm	ASTM D6304* >1000	127	---	---

OIL ANALYSIS REPORT

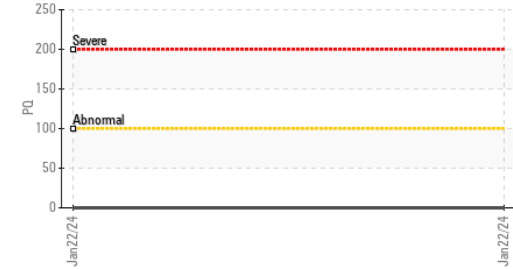
▲ Viscosity @ 40°C



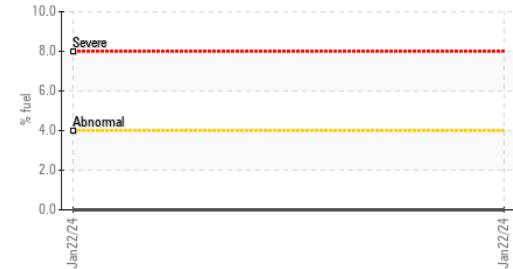
Water (KF)



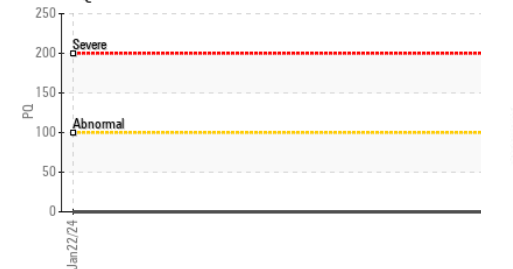
PQ



Fuel Dilution



PQ



INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.2	5.6	5.5
Nitration(Diff)	Abs/cm	ASTM E2412*		6.2	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	20.7	20.6	19.5
Sulfation(Diff)	Abs/cm	ASTM E2412*		12.1	---	---

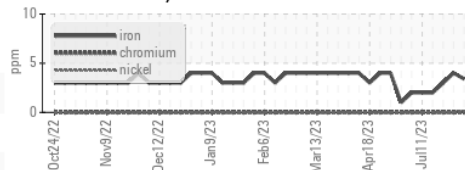
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	12.8	15	13.9
Oxidation(Diff)	Abs/cm	ASTM E2412*		9.9	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.87	0.98	2.7	2.3

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	---	---

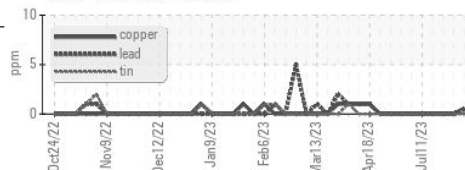
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	109.1	▲ 91.4	91.7	90.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	▲ 12.9	12.64	12.85
Viscosity Index (VI)	Scale	ASTM D2270*	153	139	134	139

GRAPHS

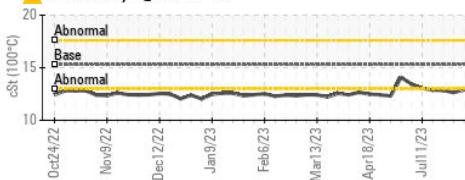
Ferrous Alloys



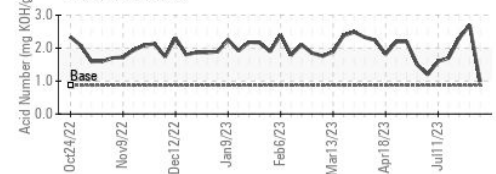
Non-ferrous Metals



▲ Viscosity @ 100°C



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085486 **Received** : 02 Feb 2024
Lab Number : **02613130** **Diagnosed** : 05 Feb 2024
Unique Number : 5722225 **Diagnostician** : Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(DIFF), FuelDilution, KV100, PercentFuel, TAN Man, 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: