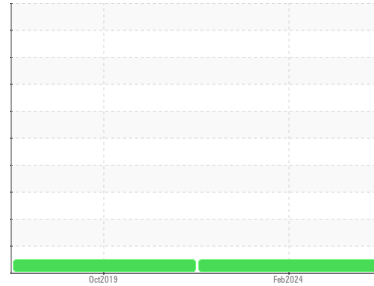


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
L-1 SAT DISTRIBUTION

Component
Gearbox
Fluid
PETRO CANADA ENDURATEX EP 460 (13 GAL)

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		PCA0030549	PCA0006586	---
Sample Date	Client Info		16 Feb 2024	21 Oct 2019	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	73	8	---
Chromium	ppm	ASTM D5185m >15	<1	0	---
Nickel	ppm	ASTM D5185m >15	0	0	---
Titanium	ppm	ASTM D5185m	2	1	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	0	---
Lead	ppm	ASTM D5185m >100	0	<1	---
Copper	ppm	ASTM D5185m >200	2	<1	---
Tin	ppm	ASTM D5185m >25	0	3	---
Antimony	ppm	ASTM D5185m >5	---	2	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 55	59	37	---
Barium	ppm	ASTM D5185m 0	2	0	---
Molybdenum	ppm	ASTM D5185m 0	<1	0	---
Manganese	ppm	ASTM D5185m 0	<1	<1	---
Magnesium	ppm	ASTM D5185m 2	14	0	---
Calcium	ppm	ASTM D5185m 6	18	2	---
Phosphorus	ppm	ASTM D5185m 240	251	208	---
Zinc	ppm	ASTM D5185m 3	18	4	---
Sulfur	ppm	ASTM D5185m 10310	6265	5892	---

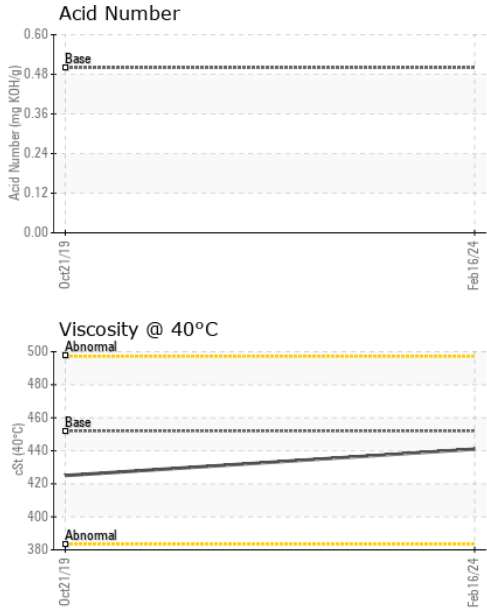
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	12	10	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	3	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.5	0.37	---	---

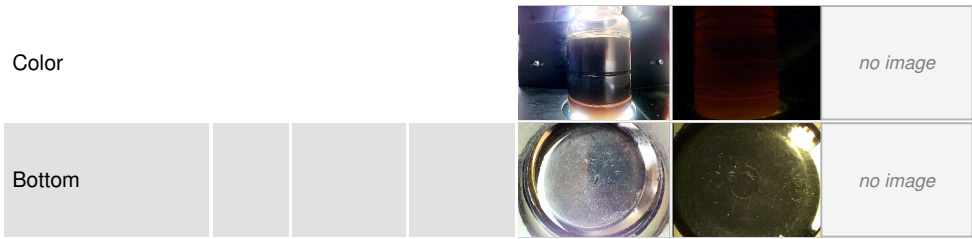
OIL ANALYSIS REPORT



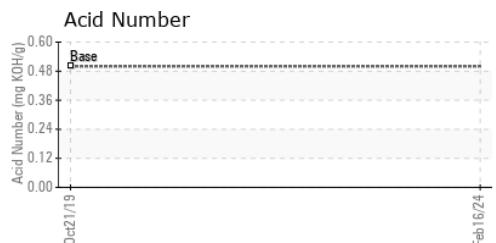
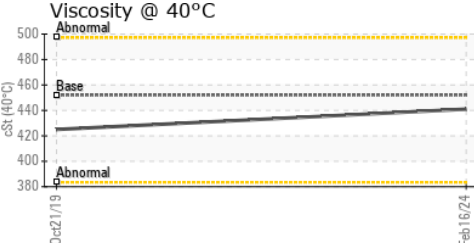
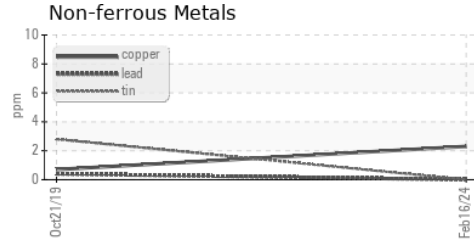
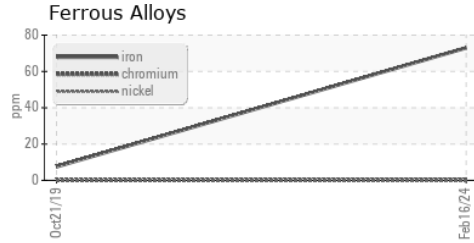
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	MODER	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	452	441	425	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0030549
Lab Number : 06096334
Unique Number : 10889187
Test Package : IND 2

Received : 21 Feb 2024
Tested : 22 Feb 2024
Diagnosed : 22 Feb 2024 - Wes Davis

CERTAINTED CORP
 701 E WASHINGTON ST
 JACKSON, MI
 US 49203

Contact: SIDNEY CHAPPELL
 SIDNEY.A.CHAPPELL@SAINT-GOBAIN.COM

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (517)787-8974