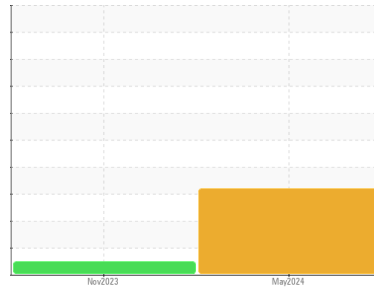


OIL ANALYSIS REPORT



Machine Id
DAVIS
 Component
Natural Gas Engine
 Fluid
PETRO CANADA SENTRON LA 2000 (--- GAL)

Sample Rating Trend



DEGRADATION



DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

▲ Wear

Bearing and/or bushing wear is indicated.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

The AN level is above the recommended limit. The BN level is low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0112187	PCA0112203	---
Sample Date	Client Info		09 May 2024	28 Nov 2023	---
Machine Age	hrs	Client Info	4049	783	---
Oil Age	hrs	Client Info	4049	783	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	18	8	---
Chromium	ppm	ASTM D5185m >4	<1	0	---
Nickel	ppm	ASTM D5185m >2	<1	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m >3	1	0	---
Aluminum	ppm	ASTM D5185m >9	2	2	---
Lead	ppm	ASTM D5185m >30	▲ 45	<1	---
Copper	ppm	ASTM D5185m >35	21	14	---
Tin	ppm	ASTM D5185m >4	1	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	0	0	---
Barium	ppm	ASTM D5185m 1	1	0	---
Molybdenum	ppm	ASTM D5185m 1	3	0	---
Manganese	ppm	ASTM D5185m 5	<1	0	---
Magnesium	ppm	ASTM D5185m 1	21	2	---
Calcium	ppm	ASTM D5185m 1237	1603	1415	---
Phosphorus	ppm	ASTM D5185m 270	360	292	---
Zinc	ppm	ASTM D5185m 330	466	356	---
Sulfur	ppm	ASTM D5185m 2670	3838	3791	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >+100	4	2	---
Sodium	ppm	ASTM D5185m	4	3	---
Potassium	ppm	ASTM D5185m >20	3	2	---
Fuel	%	ASTM D3524 >4.0	0.4	0.3	---

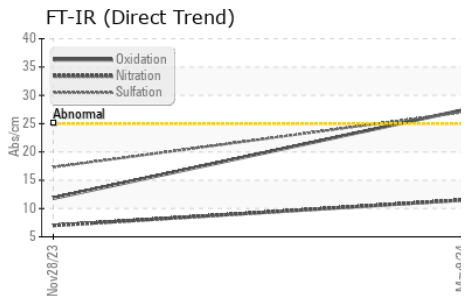
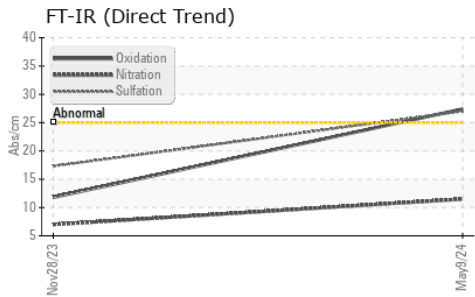
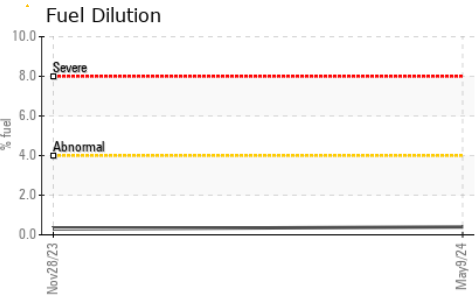
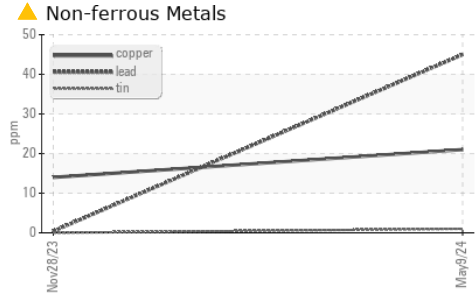
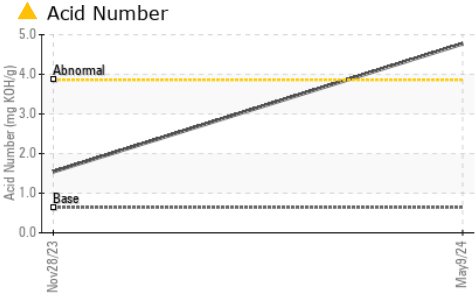
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	0	---
Nitration	Abs/cm	*ASTM D7624 >20	11.5	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	27.0	17.3	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	27.4	11.8	---
Acid Number (AN)	mg KOH/g	ASTM D8045 0.64	▲ 4.77	1.54	---
Base Number (BN)	mg KOH/g	ASTM D2896 4.4	▲ 1.94	2.94	---

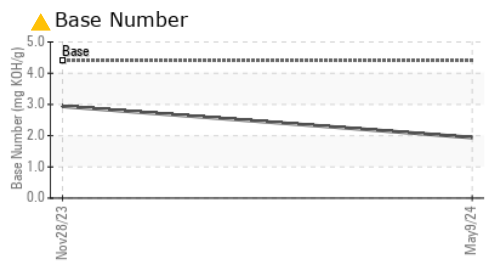
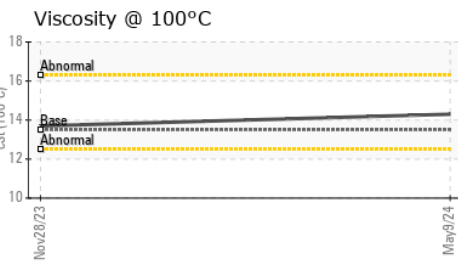
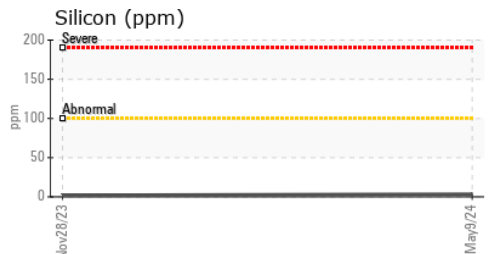
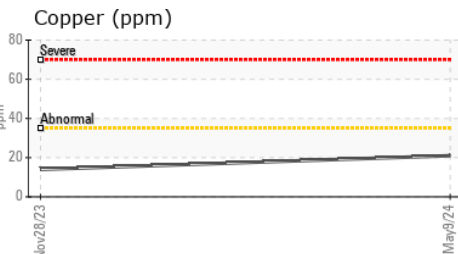
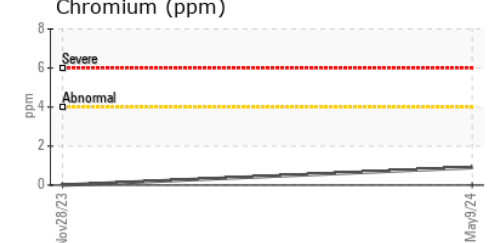
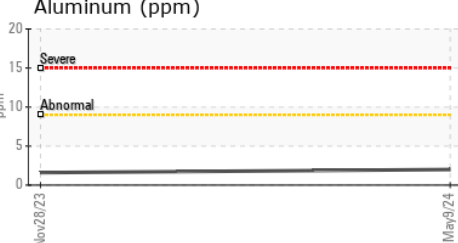
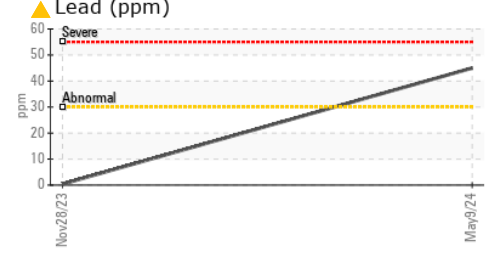
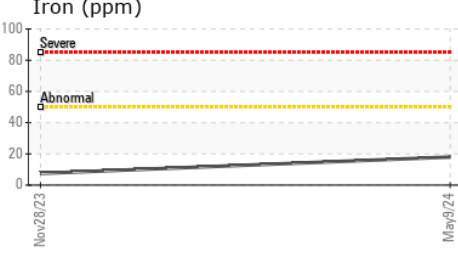
OIL ANALYSIS REPORT



PARAMETER	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 @ 100°C	cSt	ASTM D445	13.5	14.3	13.7

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112187 **Received** : 24 May 2024
Lab Number : 06190724 **Tested** : 30 May 2024
Unique Number : 11047476 **Diagnosed** : 30 May 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

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 MARSHALL, TX
 US 75672
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 F:

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)