



Machine Id  
**BIG TANK TO DAY TANK - CHEV/PC**

Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

**DIAGNOSIS**

- Recommendation**  
 This is a baseline read-out on the submitted sample.
- Fluid Condition**  
 The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. The BN level is low.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0097952</b>	---	---
Sample Date	Client Info		<b>09 Nov 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>6</b>	---	---
Calcium	ppm	ASTM D5185m	<b>▲ 123</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>▲ 81</b>	---	---
Zinc	ppm	ASTM D5185m	<b>▲ 33</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>3000</b>	---	---

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>2</b>	---	---
Sodium	ppm	ASTM D5185m	<b>0</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---

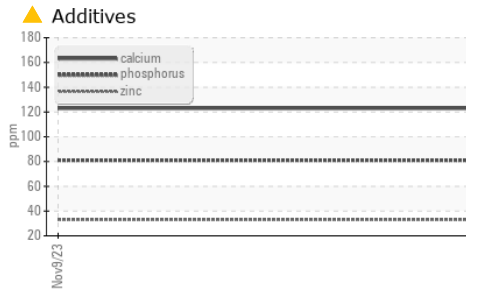
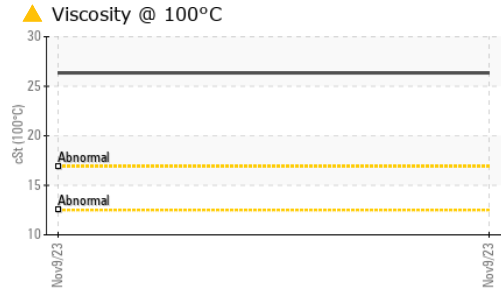
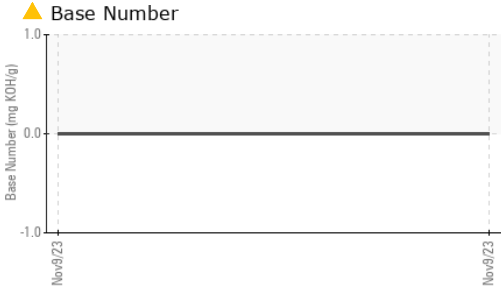
**INFRA-RED**

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	---	---
Nitration	Abs/cm	*ASTM D7624	<b>2.9</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	<b>21.1</b>	---	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	<b>17.9</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.13</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>▲ 0.000</b>	---	---

# OIL ANALYSIS REPORT



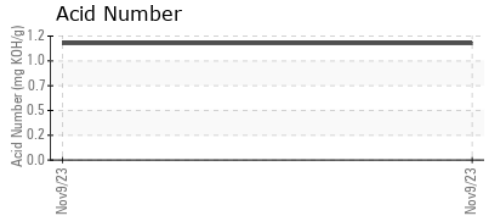
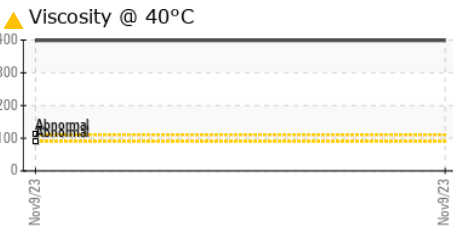
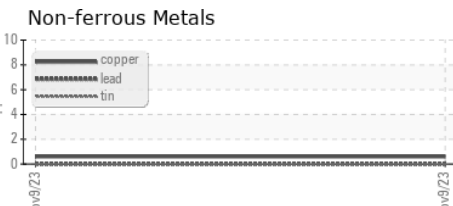
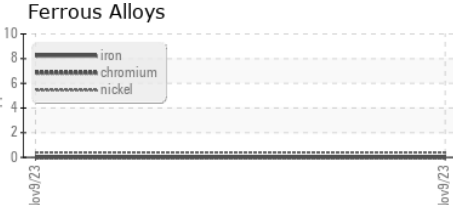
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 399.0	---	---
Visc @ 100°C	cSt	ASTM D445	▲ 26.35	---	---
Viscosity Index (VI)	Scale	ASTM D2270	88	---	---

**SAMPLE IMAGES**

	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

**GRAPHS**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0097952 **Received** : 10 Nov 2023  
**Lab Number** : 06004794 **Diagnosed** : 10 Nov 2023  
**Unique Number** : 10738556 **Diagnostician** : Doug Bogart

**BLARNEY CASTLE OIL & PROPANE**  
 12320 WEST ST  
 BEAR LAKE, MI  
 US 49614  
 Contact: DENNIS MCCARTHY  
 dmccarthy2@blarneycastleoil.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)

T:  
F: