

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DAY TANK FEEDS ENGINES - CHEVRON CYL 460/PC LD 3000**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. Please note that this is a corrected copy for laboratory data update for TBN.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0097953</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>NORMAL</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>&lt;1</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>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>9</b>	---	---
Calcium	ppm	ASTM D5185m	<b>1133</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>257</b>	---	---
Zinc	ppm	ASTM D5185m	<b>313</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>2392</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>6</b>	---	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---

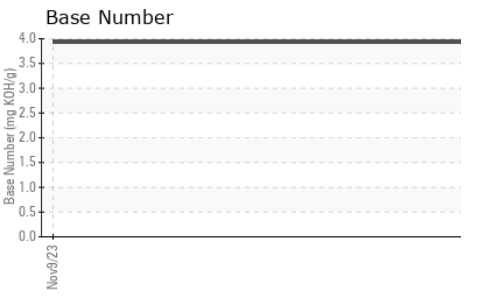
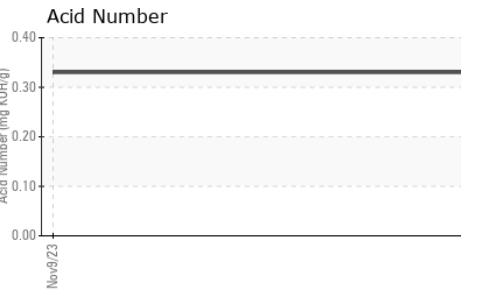
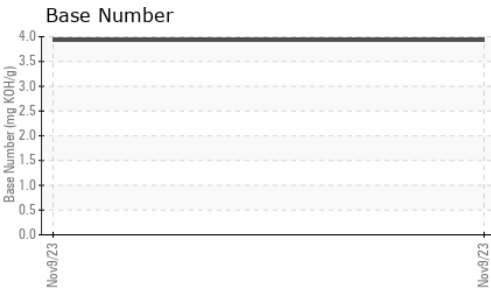
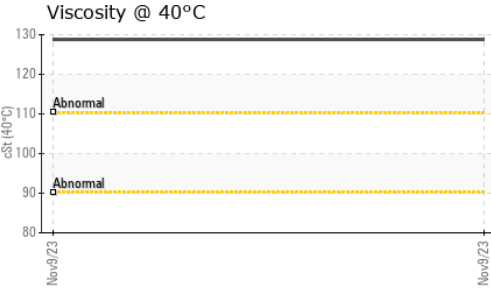
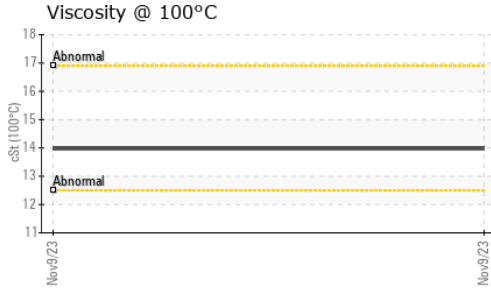
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	---	---
Nitration	Abs/cm	*ASTM D7624	<b>2.5</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	<b>13.9</b>	---	---

## FLUID DEGRADATION



	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	<b>7.5</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.33</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>3.93</b>	---	---

# OIL ANALYSIS REPORT

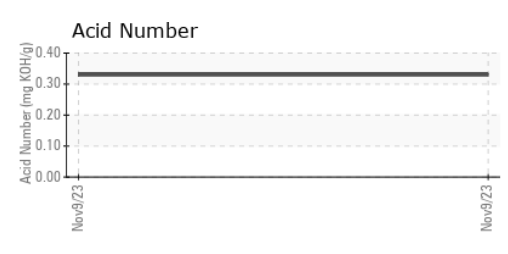
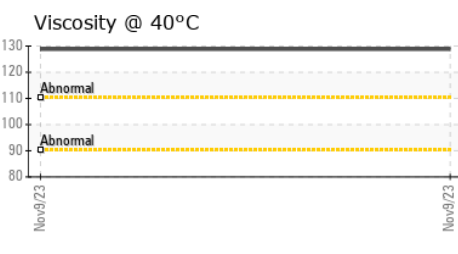
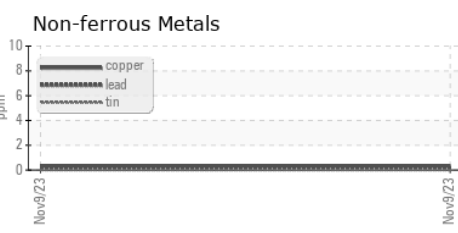
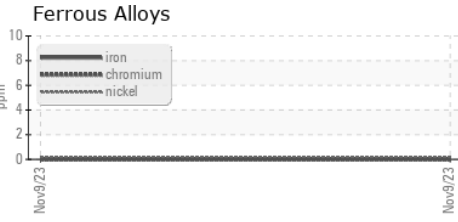


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	128.8	---	---
Visc @ 100°C	cSt	ASTM D445	13.97	---	---
Viscosity Index (VI)	Scale	ASTM D2270	105	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0097953 **Received** : 10 Nov 2023  
**Lab Number** : 06004795 **Diagnosed** : 15 Nov 2023  
**Unique Number** : 10738557 **Diagnostician** : Doug Bogart  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, FuelDilution, ICP-NewOil, KV100, PercentFuel, PrtCount, TBIC )  
 To discuss this sample report, contact Customer Service at 1-800-237-1369. **Contact: DENNIS MCCARTHY**  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **dmccarthy2@blarneycastleoil.com**  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **T:**  
**F:**