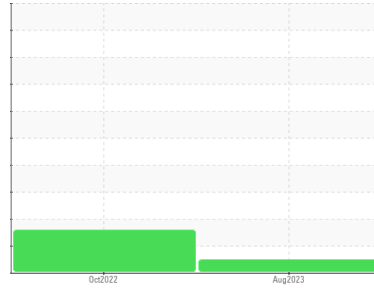


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**T1956**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 SDE SAE 15W40 (--- 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0085451</b>	PCA0076214	---
Sample Date	Client Info			<b>17 Aug 2023</b>	13 Oct 2022	---
Machine Age	mls	Client Info		<b>558465</b>	538975	---
Oil Age	mls	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>44</b>	28	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>5</b>	3	---
Lead	ppm	ASTM D5185m	>30	<b>26</b>	15	---
Copper	ppm	ASTM D5185m	>150	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

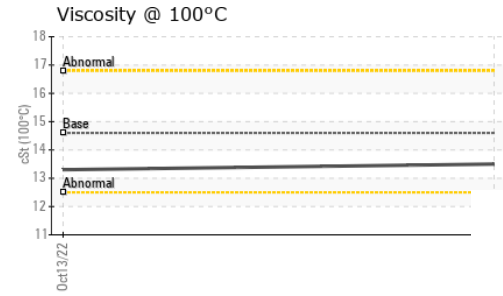
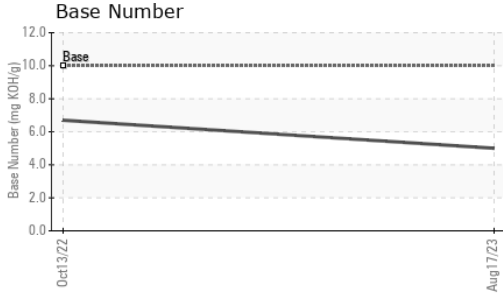
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>93</b>	103	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>132</b>	107	---
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>696</b>	599	---
Calcium	ppm	ASTM D5185m		<b>1685</b>	1502	---
Phosphorus	ppm	ASTM D5185m	760	<b>656</b>	569	---
Zinc	ppm	ASTM D5185m	800	<b>853</b>	731	---
Sulfur	ppm	ASTM D5185m	3000	<b>2856</b>	2165	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>15</b>	▲ 25	---
Sodium	ppm	ASTM D5185m		<b>10</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.7</b>	13.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>29.1</b>	30.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>29.6</b>	28.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	<b>5.0</b>	6.7	---

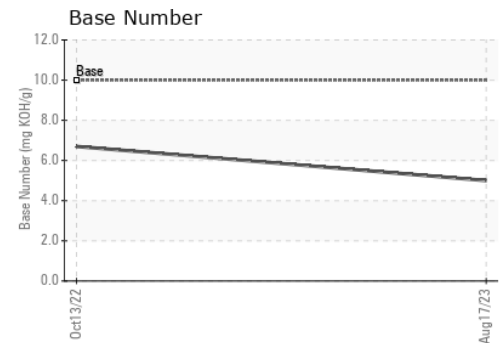
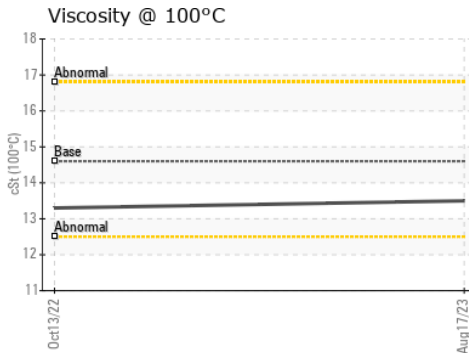
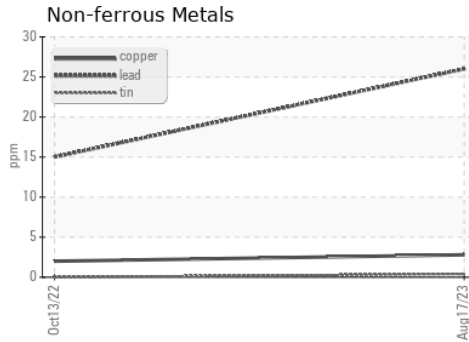
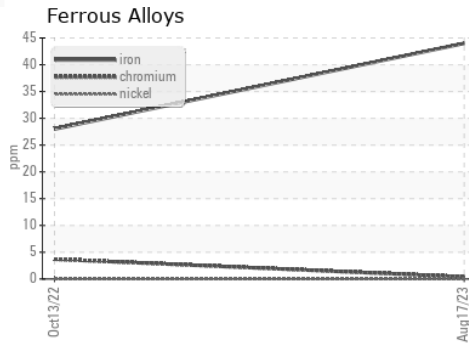
# OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.6	<b>13.5</b>	13.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0085451 **Received** : 21 Aug 2023  
**Lab Number** : **05930188** **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10615459 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**Ergon Trucking Inc. - MAG601**  
 11337 State Route 800  
 Magnolia, OH  
 US 44643  
 Contact: Eddy Smith  
 eddy.smith@ergon.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)