



# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id

**2427**

Component

**Diesel Engine**

Fluid

**CHEVRON DELO 400 SDE SAE 15W40 (--- GAL)**

### DIAGNOSIS

#### ● Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Fuel content negligible. No other contaminants were detected in the oil.

#### ● Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0829096</b>	---	---
Sample Date	Client Info		<b>04 Apr 2024</b>	---	---
Machine Age	mls	Client Info	<b>34773</b>	---	---
Oil Age	mls	Client Info	<b>34773</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

### CONTAMINATION

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

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>51</b>	---	---
Chromium	ppm	ASTM D5185m >20	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m >4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >20	<b>39</b>	---	---
Lead	ppm	ASTM D5185m >40	<b>4</b>	---	---
Copper	ppm	ASTM D5185m >330	<b>35</b>	---	---
Tin	ppm	ASTM D5185m >15	<b>3</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>40</b>	---	---
Barium	ppm	ASTM D5185m	<b>7</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>19</b>	---	---
Manganese	ppm	ASTM D5185m	<b>5</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>657</b>	---	---
Calcium	ppm	ASTM D5185m	<b>1378</b>	---	---
Phosphorus	ppm	ASTM D5185m 760	<b>780</b>	---	---
Zinc	ppm	ASTM D5185m 800	<b>856</b>	---	---
Sulfur	ppm	ASTM D5185m 3000	<b>2843</b>	---	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>43</b>	---	---
Sodium	ppm	ASTM D5185m	<b>4</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>137</b>	---	---
Fuel	%	ASTM D3524 >5	<b>0.4</b>	---	---

### INFRA-RED

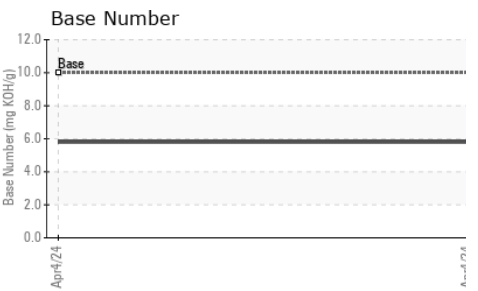
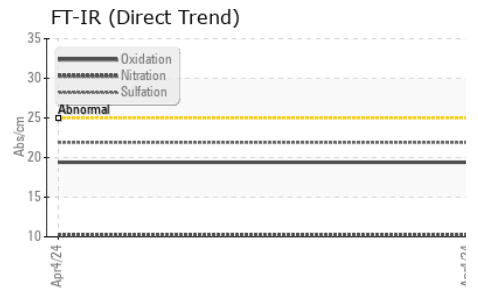
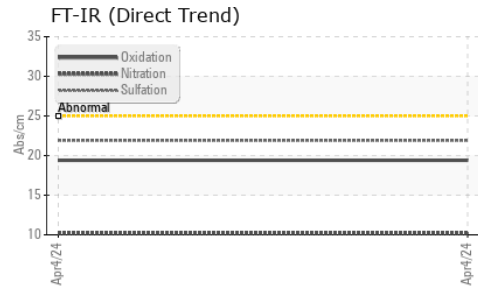
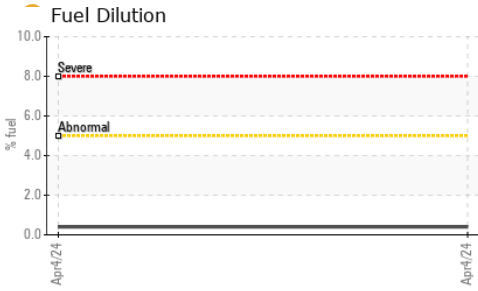
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.3</b>	---	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.2</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.9</b>	---	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>19.4</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896 10	<b>5.8</b>	---	---



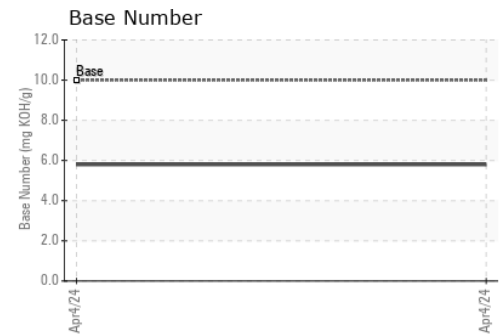
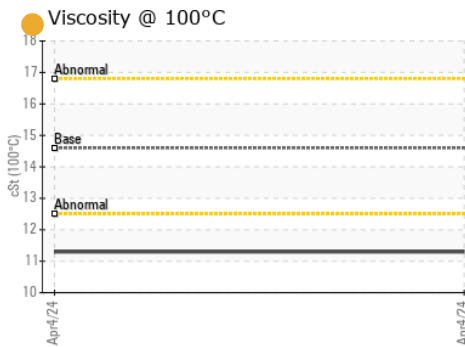
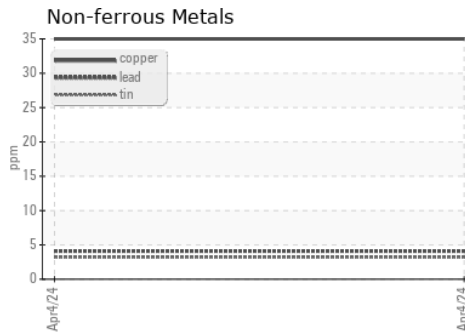
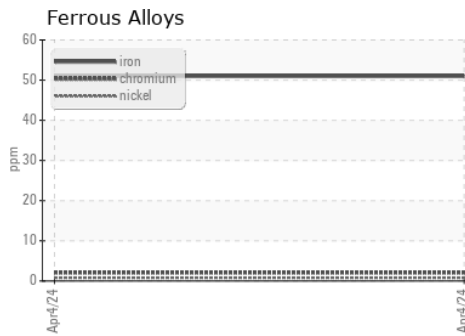
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.6	<span style="color: orange;">●</span> <b>11.3</b>	---	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0829096      **Received** : 10 May 2024  
**Lab Number** : 06176611      **Tested** : 15 May 2024  
**Unique Number** : 11022664      **Diagnosed** : 15 May 2024 - Sean Felton  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**Ergon Trucking Inc. - SAL198**  
 211 Production Drive  
 Sulphur, LA  
 US 70663  
 Contact: Donald Daigle  
 Donald.daigle@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)

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