



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**2325**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 SDE SAE 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0829103</b>	WC0829116	---
Sample Date		Client Info		<b>20 Apr 2024</b>	12 Nov 2023	---
Machine Age	hrs	Client Info		<b>101943</b>	69392	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	<b>25</b>	24	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>9</b>	10	---
Lead	ppm	ASTM D5185m	>40	<b>2</b>	2	---
Copper	ppm	ASTM D5185m	>330	<b>2</b>	7	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

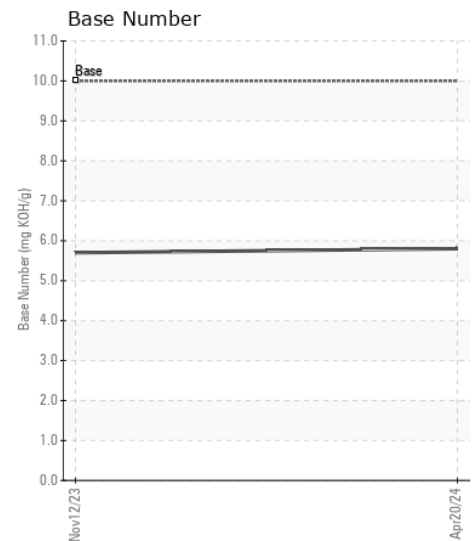
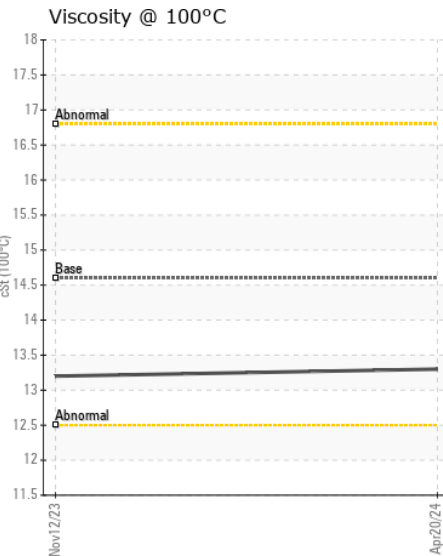
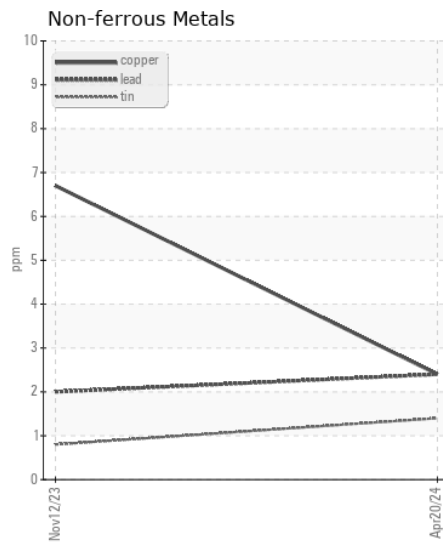
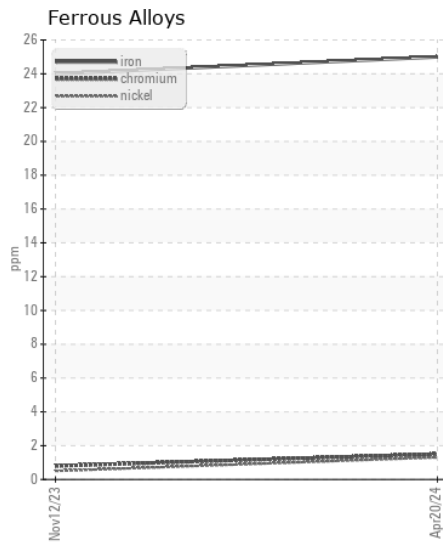
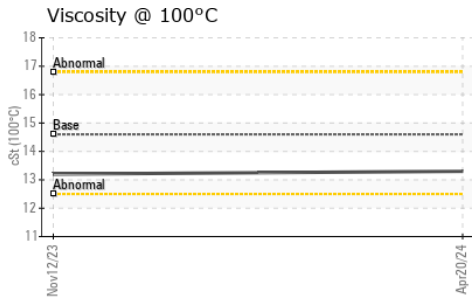
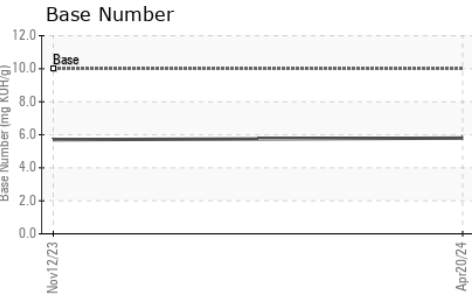
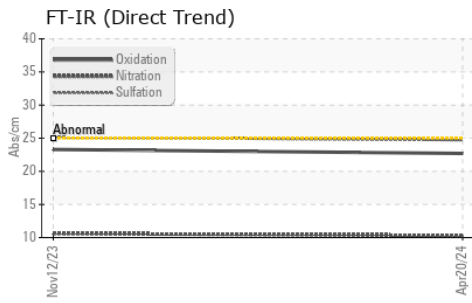
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>12</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>14</b>	27	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>6	<b>0.2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	10.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.7</b>	25.1	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## 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.

Sodium	ppm	ASTM D5185m		<b>5</b>	0	---
Boron	ppm	ASTM D5185m		<b>174</b>	124	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>121</b>	119	---
Manganese	ppm	ASTM D5185m		<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>687</b>	628	---
Calcium	ppm	ASTM D5185m		<b>1550</b>	1470	---
Phosphorus	ppm	ASTM D5185m	760	<b>813</b>	672	---
Zinc	ppm	ASTM D5185m	800	<b>888</b>	834	---
Sulfur	ppm	ASTM D5185m	3000	<b>3047</b>	2433	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.7</b>	23.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	<b>5.8</b>	5.7	---
Visc @ 100°C	cSt	ASTM D445	14.6	<b>13.3</b>	13.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0829103  
**Lab Number** : 06161118  
**Unique Number** : 10996541  
**Test Package** : FLEET

**Received** : 25 Apr 2024  
**Tested** : 29 Apr 2024  
**Diagnosed** : 29 Apr 2024 - Wes Davis

**Ergon Trucking Inc. - SHE195**  
 5913 Highway 157  
 Haughton, LA  
 US 71037  
 Contact: SIDNEY HOLLACE

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: