



# OIL ANALYSIS REPORT

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

Machine Id  
**T2211**  
 Component  
**1 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>WC0829112</b>	WC0829114	WC0829122
Sample Date		Client Info		<b>21 Apr 2024</b>	07 Oct 2023	30 Jun 2023
Machine Age	mls	Client Info		<b>270169</b>	235206	200488
Oil Age	mls	Client Info		<b>0</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	<b>16</b>	18	14
Chromium	ppm	ASTM D5185m	>4	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m	>2	<b>2</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	8	4
Lead	ppm	ASTM D5185m	>45	<b>2</b>	3	2
Copper	ppm	ASTM D5185m	>85	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

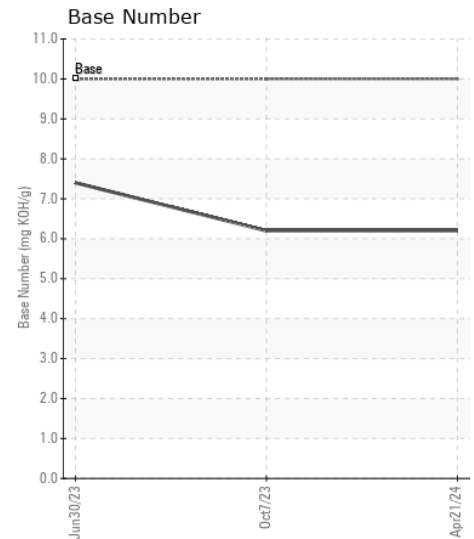
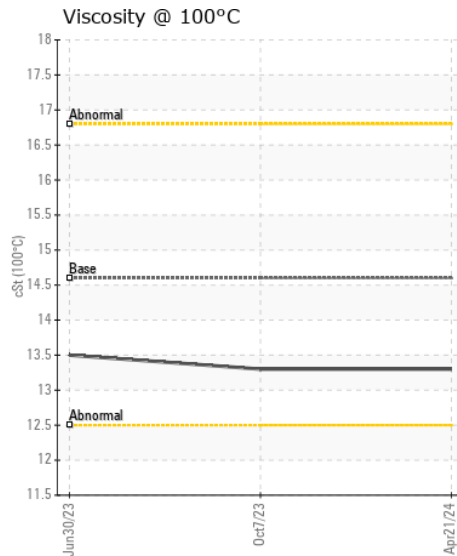
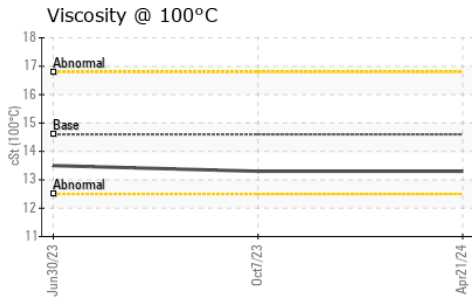
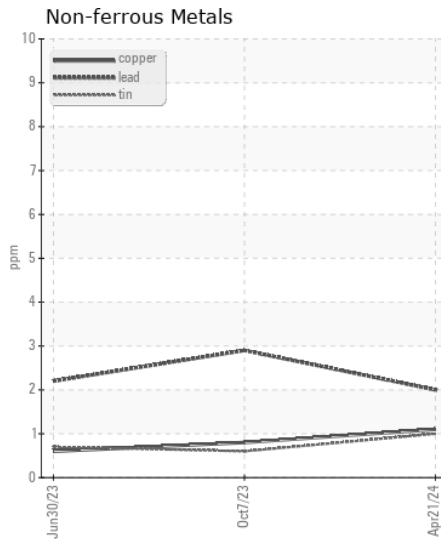
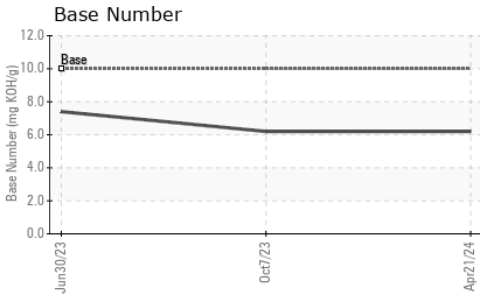
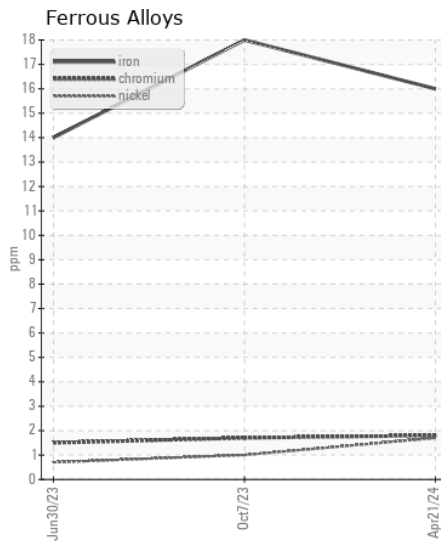
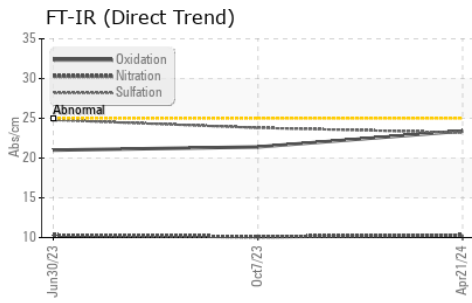
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>7</b>	8	8
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	13	10
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	10.1	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.2</b>	23.8	24.8
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	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>4</b>	3	1
Boron	ppm	ASTM D5185m		<b>64</b>	133	159
Barium	ppm	ASTM D5185m		<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185m		<b>59</b>	121	129
Manganese	ppm	ASTM D5185m		<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>506</b>	583	700
Calcium	ppm	ASTM D5185m		<b>1679</b>	1517	1704
Phosphorus	ppm	ASTM D5185m	760	<b>971</b>	626	719
Zinc	ppm	ASTM D5185m	800	<b>1059</b>	757	908
Sulfur	ppm	ASTM D5185m	3000	<b>3356</b>	2155	2999
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.4</b>	21.4	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	10	<b>6.2</b>	6.2	7.4
Visc @ 100°C	cSt	ASTM D445	14.6	<b>13.3</b>	13.3	13.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0829112 **Received** : 25 Apr 2024  
**Lab Number** : 06161120 **Tested** : 29 Apr 2024  
**Unique Number** : 10996543 **Diagnosed** : 29 Apr 2024 - Wes Davis  
**Test Package** : FLEET

**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: