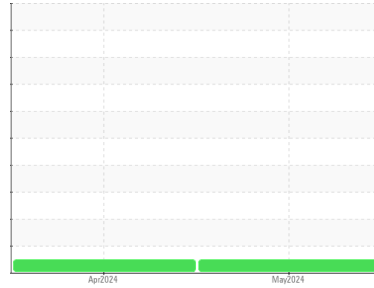




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**3059**

Component

**Diesel Engine**

Fluid

**CHEVRON DELO 400 XLE 10W30 (--- QTS)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### 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>WC0909942</b>	WC0906917	---
Sample Date	Client Info			<b>16 May 2024</b>	17 Apr 2024	---
Machine Age	mls	Client Info		<b>625529</b>	619883	---
Oil Age	mls	Client Info		<b>41000</b>	35539	---
Oil Changed	Client Info			<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<b>24</b>	17	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>4	<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	>20	<b>5</b>	4	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>330	<b>3</b>	3	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>16</b>	22	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>795</b>	870	---
Calcium	ppm	ASTM D5185m	2900	<b>1458</b>	1564	---
Phosphorus	ppm	ASTM D5185m	1100	<b>880</b>	828	---
Zinc	ppm	ASTM D5185m	1200	<b>909</b>	946	---
Sulfur	ppm	ASTM D5185m	4000	<b>3217</b>	3792	---

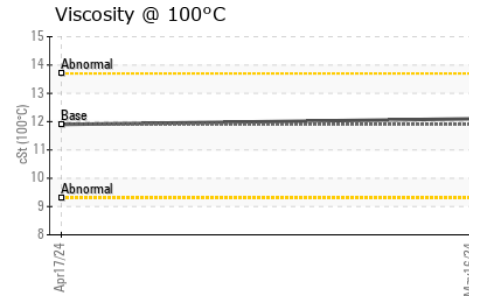
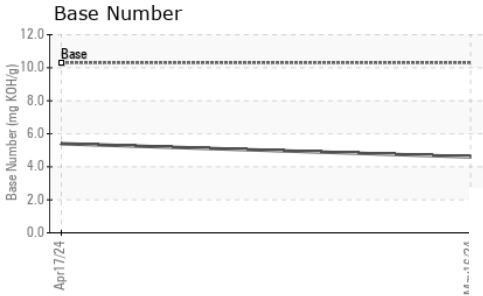
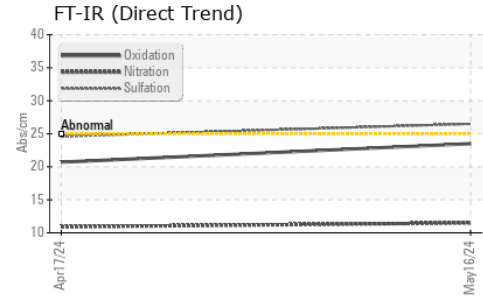
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>11</b>	8	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.5</b>	10.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>26.5</b>	24.6	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.5</b>	20.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	<b>4.6</b>	5.4	---



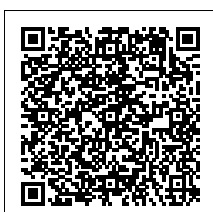
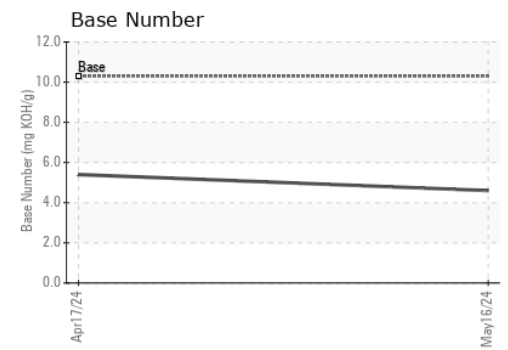
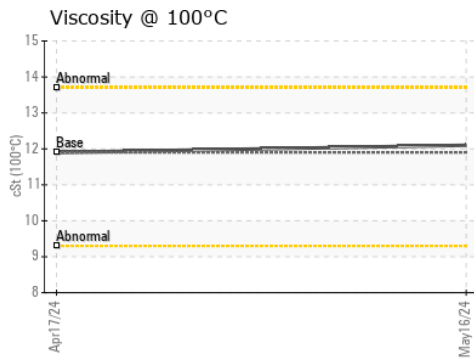
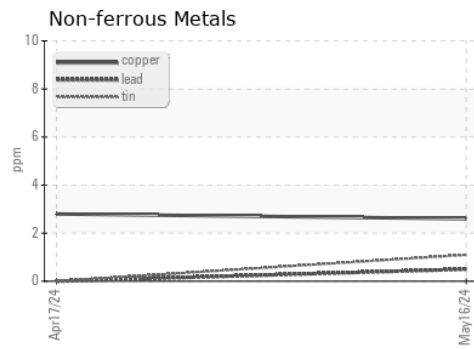
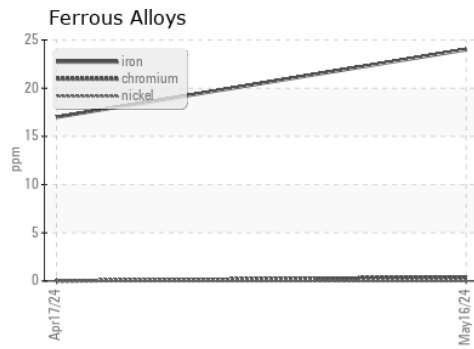
# OIL ANALYSIS REPORT



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	11.9	12.1	11.9

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0909942      **Received** : 06 Jun 2024  
**Lab Number** : 06202209      **Tested** : 10 Jun 2024  
**Unique Number** : 11069670      **Diagnosed** : 10 Jun 2024 - Wes Davis  
**Test Package** : FLEET

**LTI/MILKY WAY - SUNNYSIDE**  
 333 MIDVALE RD  
 SUNNYSIDE, WA  
 US 98944  
 Contact: Barbara Kluever  
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 T: (509)839-5844  
 F: (509)839-6556

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)