



# OIL ANALYSIS REPORT

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

Machine Id  
**8574832**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 XLE 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0006588</b>	RPL0006576	---
Sample Date		Client Info		<b>21 Jun 2024</b>	20 Sep 2023	---
Machine Age	mls	Client Info		<b>140675</b>	96241	---
Oil Age	mls	Client Info		<b>22947</b>	27003	---
Filter Age	mls	Client Info		<b>22947</b>	27003	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>18</b>	34	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>7</b>	25	---
Lead	ppm	ASTM D5185m	>40	<b>3</b>	5	---
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	5	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

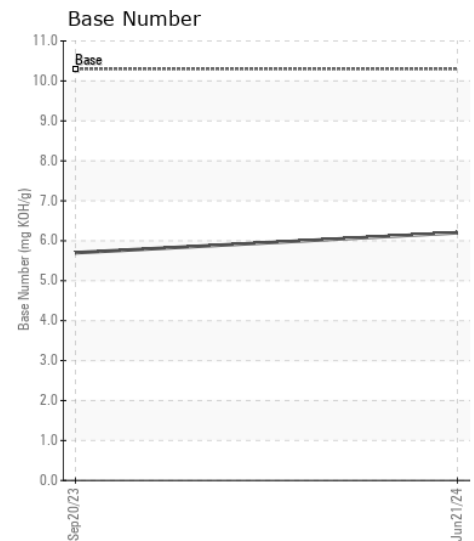
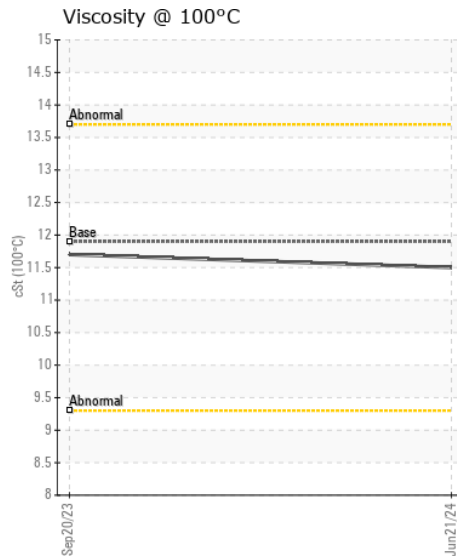
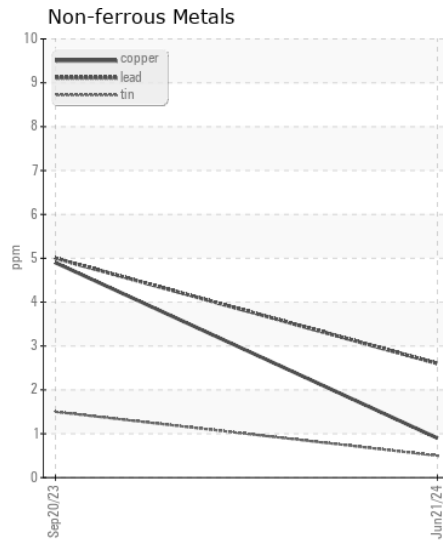
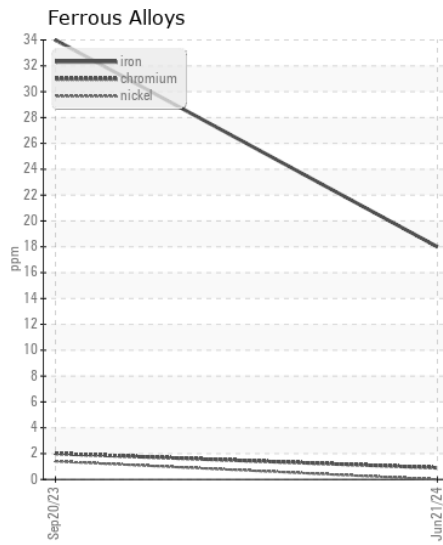
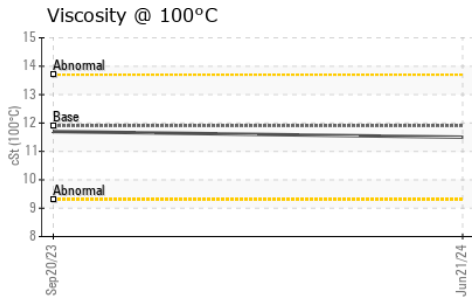
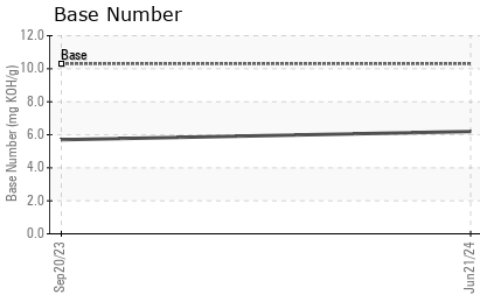
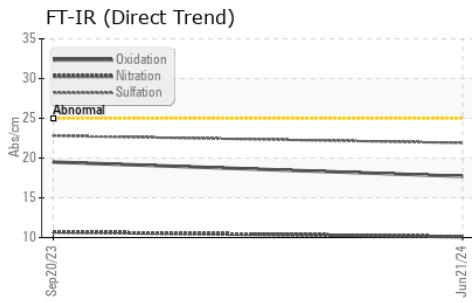
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	12	---
Potassium	ppm	ASTM D5185m	>20	<b>21</b>	66	---
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	---
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.1</b>	10.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.9</b>	22.8	---
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>	18	---
Boron	ppm	ASTM D5185m		<b>37</b>	34	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>4</b>	24	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>758</b>	735	---
Calcium	ppm	ASTM D5185m	2900	<b>1492</b>	1483	---
Phosphorus	ppm	ASTM D5185m	1100	<b>761</b>	754	---
Zinc	ppm	ASTM D5185m	1200	<b>839</b>	913	---
Sulfur	ppm	ASTM D5185m	4000	<b>3430</b>	3246	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.7</b>	19.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	<b>6.2</b>	5.7	---
Visc @ 100°C	cSt	ASTM D445	11.9	<b>11.5</b>	11.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0006588  
**Lab Number** : 06221957  
**Unique Number** : 11100154  
**Test Package** : FLEET

**Received** : 26 Jun 2024  
**Tested** : 28 Jun 2024  
**Diagnosed** : 28 Jun 2024 - Wes Davis

**RTL PACLEASE - 7052 -Sun Coast**  
 5606 N County Road 1287  
 Midland, TX  
 US 79707

Contact: Danial Bothmann  
 BothmannD@RushEnterprises.com  
 T: (832)942-5804

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)

F: