



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**857-4390**

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>RPL0014862</b>	RPL0004894	RPL0005724
Sample Date		Client Info		<b>02 Jan 2024</b>	26 Apr 2023	21 Oct 2022
Machine Age	mls	Client Info		<b>224182</b>	176628	147247
Oil Age	mls	Client Info		<b>20421</b>	29381	49149
Filter Age	mls	Client Info		<b>20421</b>	29381	49149
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>38</b>	25	44
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	3
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	11	13
Lead	ppm	ASTM D5185m	>40	<b>4</b>	4	5
Copper	ppm	ASTM D5185m	>330	<b>6</b>	1	4
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

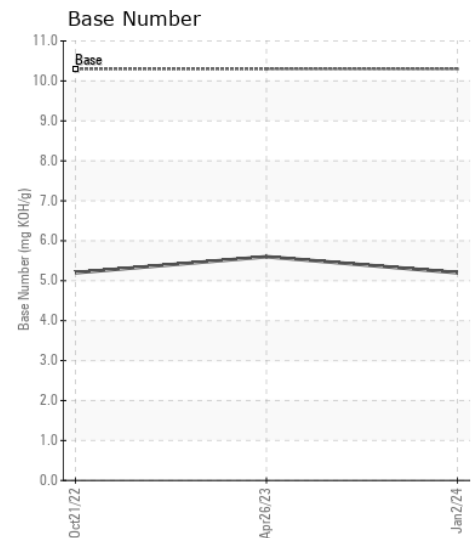
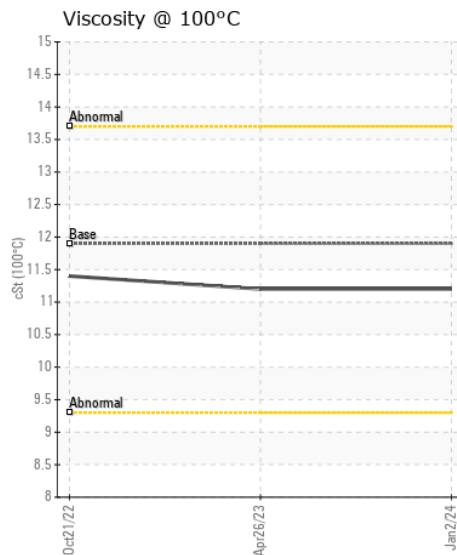
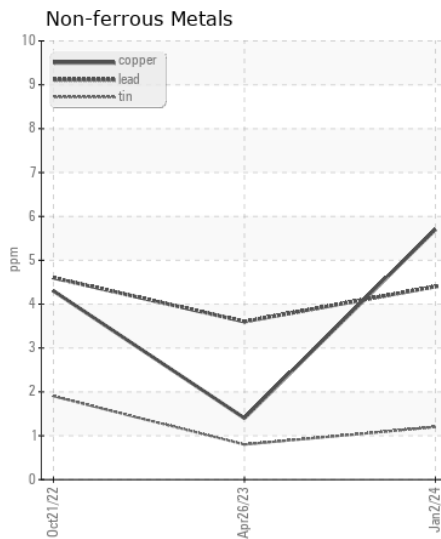
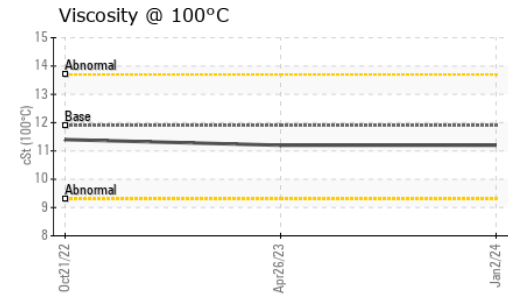
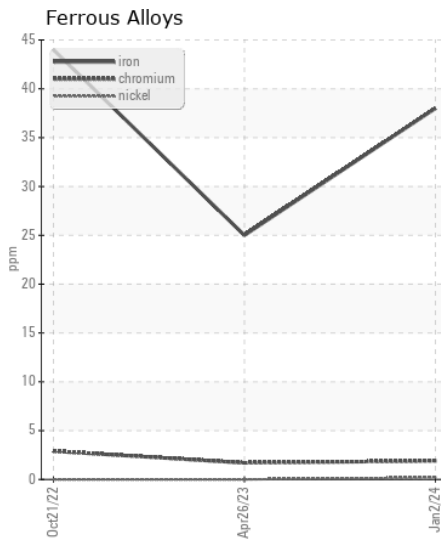
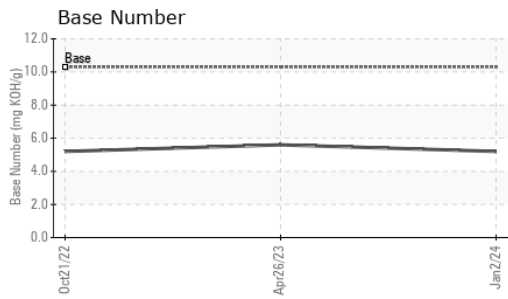
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	7	9
Potassium	ppm	ASTM D5185m	>20	<b>36</b>	29	29
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>0.8</b>	0.6	0.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.0</b>	11.6	13.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>27.4</b>	25.6	29.8
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>6</b>	6	2
Boron	ppm	ASTM D5185m		<b>13</b>	16	15
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>14</b>	20	10
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>618</b>	773	669
Calcium	ppm	ASTM D5185m	2900	<b>1356</b>	1463	1496
Phosphorus	ppm	ASTM D5185m	1100	<b>661</b>	752	736
Zinc	ppm	ASTM D5185m	1200	<b>826</b>	899	883
Sulfur	ppm	ASTM D5185m	4000	<b>2960</b>	3726	3266
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>25.0</b>	20.7	26.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	<b>5.2</b>	5.6	5.2
Visc @ 100°C	cSt	ASTM D445	11.9	<b>11.2</b>	11.2	11.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0014862 **Received** : 30 Jan 2024  
**Lab Number** : 06073699 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10850376 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**RTL PACLEASE - 7001 - Houston**  
 6300 N. Loop East  
 Houston, TX  
 US 77026  
 Contact: RODNEY BRIGGS  
 briggsr@rushenterprises.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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F: