



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**8575046**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 SAE 10W30 (--- GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0018911</b>	RPL0014314	RPL0010751
Sample Date		Client Info		<b>06 Jun 2024</b>	29 Feb 2024	31 Aug 2023
Machine Age	hrs	Client Info		<b>1614</b>	1155	6624
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>10</b>	35	20
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	1	0
Aluminum	ppm	ASTM D5185m	>20	<b>5</b>	20	5
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	12	9
Tin	ppm	ASTM D5185m	>15	<b>0</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

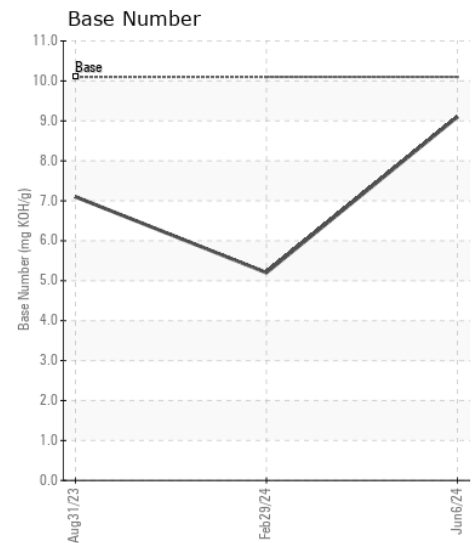
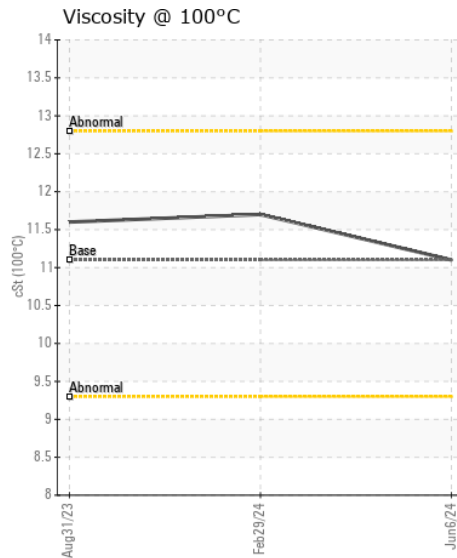
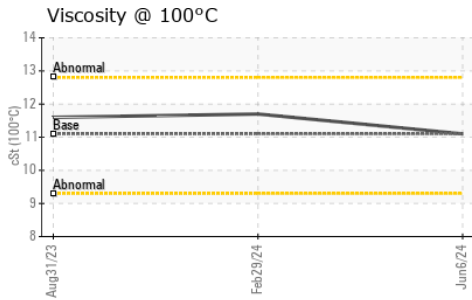
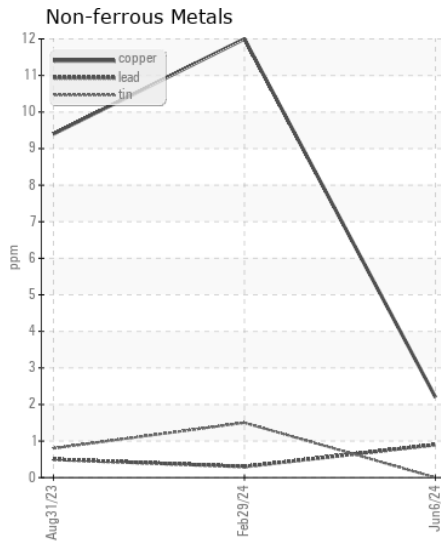
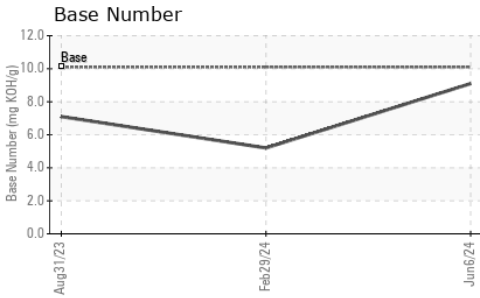
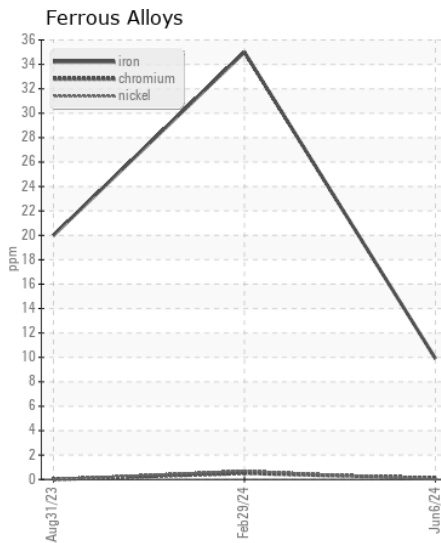
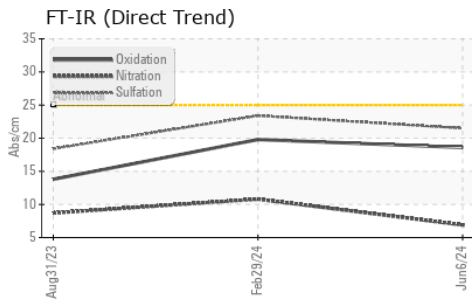
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	14	16
Potassium	ppm	ASTM D5185m	>20	<b>15</b>	75	39
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>0.1</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.9</b>	10.8	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.5</b>	23.4	18.4
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>3</b>	3	3
Boron	ppm	ASTM D5185m		<b>50</b>	26	78
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>43</b>	15	14
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m		<b>548</b>	645	705
Calcium	ppm	ASTM D5185m		<b>1774</b>	1428	1635
Phosphorus	ppm	ASTM D5185m	1260	<b>822</b>	751	813
Zinc	ppm	ASTM D5185m	1400	<b>1006</b>	895	955
Sulfur	ppm	ASTM D5185m		<b>3163</b>	3027	4005
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.6</b>	19.8	13.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	<b>9.1</b>	5.2	7.1
Visc @ 100°C	cSt	ASTM D445	11.1	<b>11.1</b>	11.7	11.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : RPL0018911

**Lab Number** : 06215273

**Unique Number** : 11088137

**Test Package** : FLEET

**Received** : 20 Jun 2024

**Tested** : 21 Jun 2024

**Diagnosed** : 21 Jun 2024 - Sean Felton

**RTL PACLEASE - 7001 - Houston**

6300 N. Loop East

Houston, TX

US 77026

Contact: RODNEY BRIGGS

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T:

F:

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)