



PacLease

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**857-4787**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 SAE 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0014259</b>	RPL0014614	RPL0005192
Sample Date		Client Info		<b>18 Mar 2024</b>	21 Nov 2023	04 Jan 2023
Machine Age	hrs	Client Info		<b>4213</b>	76102	35954
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>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>23</b>	52	34
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>12</b>	14	27
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	5	6
Tin	ppm	ASTM D5185m	>15	<b>1</b>	0	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

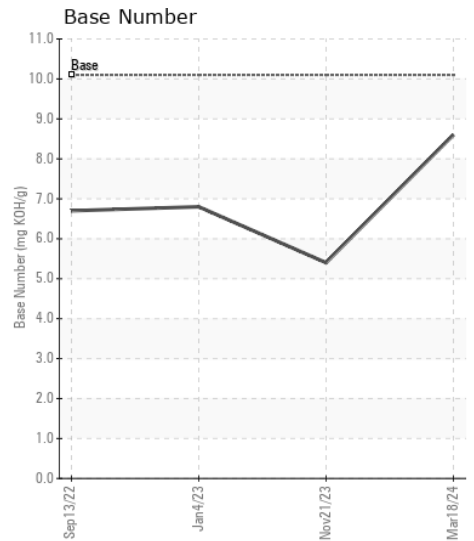
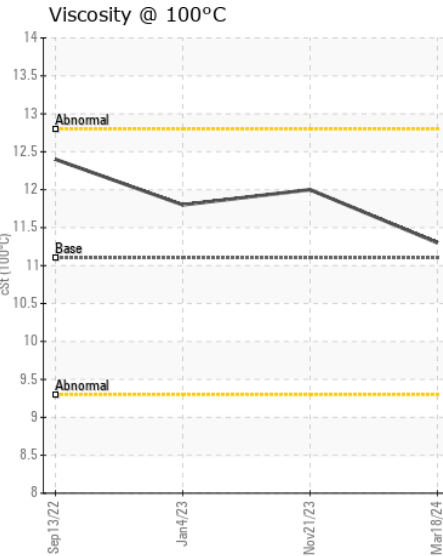
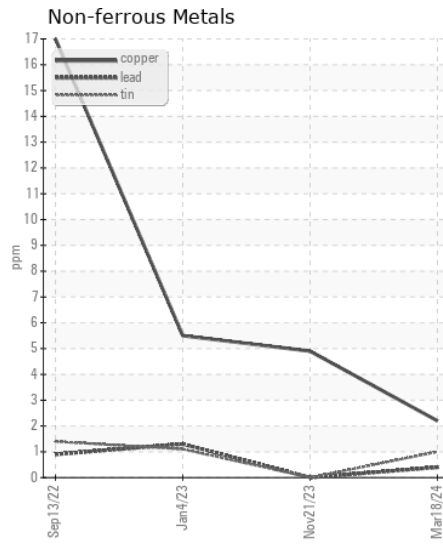
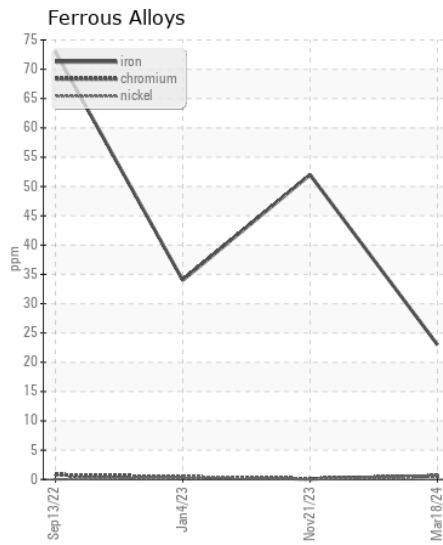
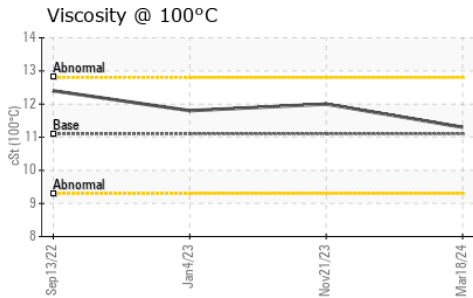
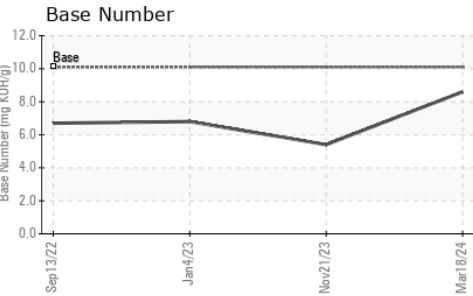
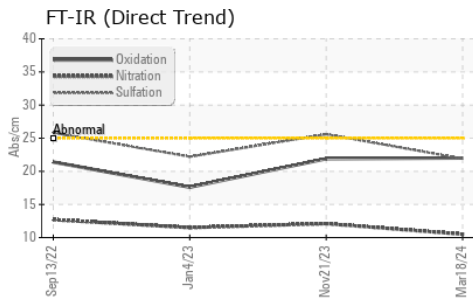
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>11</b>	12	10
Potassium	ppm	ASTM D5185m	>20	<b>28</b>	49	82
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>0.3</b>	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.5</b>	12.1	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.9</b>	25.6	22.2
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>2</b>	3	8
Boron	ppm	ASTM D5185m		<b>32</b>	15	28
Barium	ppm	ASTM D5185m		<b>1</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>44</b>	8	16
Manganese	ppm	ASTM D5185m		<b>1</b>	0	1
Magnesium	ppm	ASTM D5185m		<b>545</b>	747	735
Calcium	ppm	ASTM D5185m		<b>1691</b>	1406	1513
Phosphorus	ppm	ASTM D5185m	1260	<b>798</b>	686	732
Zinc	ppm	ASTM D5185m	1400	<b>944</b>	866	910
Sulfur	ppm	ASTM D5185m		<b>2756</b>	3413	3496
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.0</b>	21.9	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	<b>8.6</b>	5.4	6.8
Visc @ 100°C	cSt	ASTM D445	11.1	<b>11.3</b>	12.0	11.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0014259  
**Lab Number** : 06149806  
**Unique Number** : 10979884  
**Test Package** : FLEET

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