



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**8575257**  
 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>RPL0018905</b>	RPL0018913	RPL0014360
Sample Date		Client Info		<b>07 Jun 2024</b>	05 Jun 2024	19 Feb 2024
Machine Age	hrs	Client Info		<b>1604</b>	1382	655
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>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>18</b>	29	62
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	4	4
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	48	83
Lead	ppm	ASTM D5185m	>40	<b>0</b>	3	5
Copper	ppm	ASTM D5185m	>330	<b>3</b>	6	32
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<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.

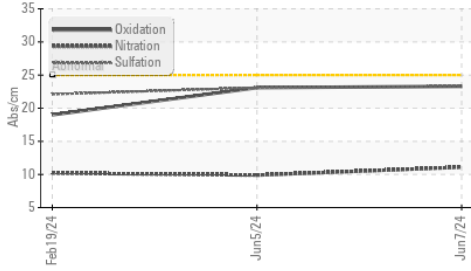
Silicon	ppm	ASTM D5185m	>25	<b>10</b>	14	43
Potassium	ppm	ASTM D5185m	>20	<b>25</b>	109	251
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.1</b>	9.9	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.3</b>	23.1	22.1
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

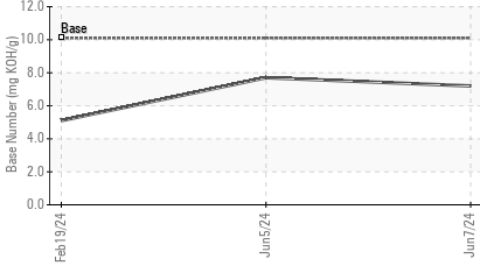
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	4	4
Boron	ppm	ASTM D5185m		<b>19</b>	24	29
Barium	ppm	ASTM D5185m		<b>0</b>	<1	7
Molybdenum	ppm	ASTM D5185m		<b>43</b>	40	13
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	7
Magnesium	ppm	ASTM D5185m		<b>534</b>	549	671
Calcium	ppm	ASTM D5185m		<b>1634</b>	1794	1181
Phosphorus	ppm	ASTM D5185m	1260	<b>745</b>	800	685
Zinc	ppm	ASTM D5185m	1400	<b>909</b>	976	783
Sulfur	ppm	ASTM D5185m		<b>2710</b>	2864	2572
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.3</b>	23.1	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	<b>7.2</b>	7.7	5.1
Visc @ 100°C	cSt	ASTM D445	11.1	<b>11.5</b>	11.0	11.3

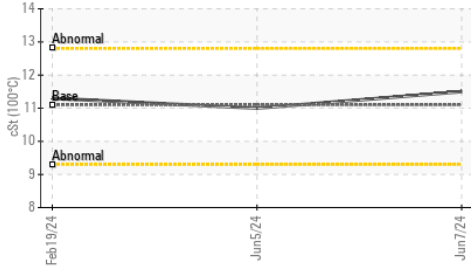
**FT-IR (Direct Trend)**



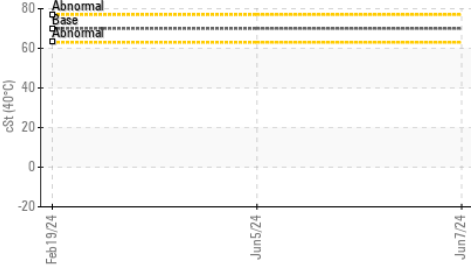
**Base Number**



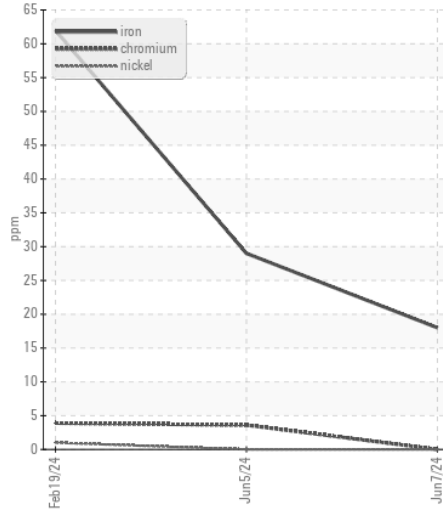
**Viscosity @ 100°C**



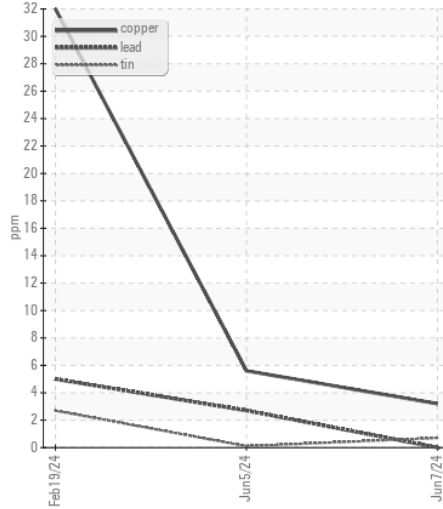
**Viscosity @ 40°C**



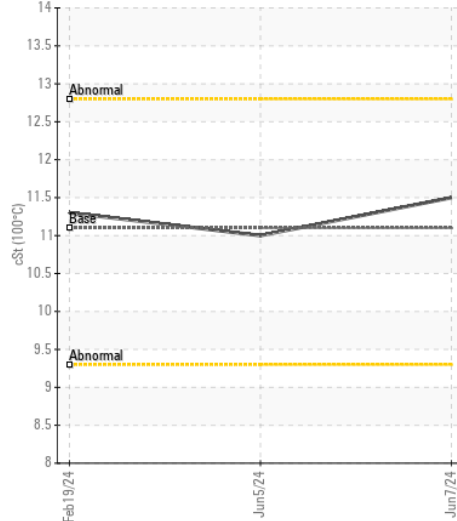
**Ferrous Alloys**



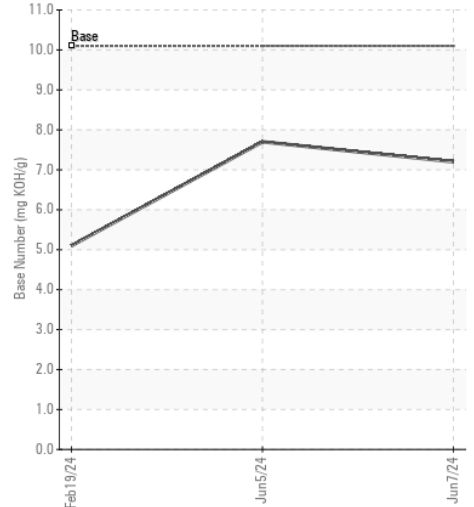
**Non-ferrous Metals**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0018905 **Received** : 01 Jul 2024  
**Lab Number** : 06225513 **Tested** : 03 Jul 2024  
**Unique Number** : 11103710 **Diagnosed** : 03 Jul 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: KV40 )

**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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