



PacLease

# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 117302**  
Component  
**Diesel Engine**  
Fluid  
**CHEVRON 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0009884</b>	RPL0003420	RPL0003371
Sample Date		Client Info		<b>07 Nov 2023</b>	07 Feb 2023	30 Sep 2022
Machine Age	mls	Client Info		<b>302053</b>	242891	242891
Oil Age	mls	Client Info		<b>26287</b>	16000	0
Filter Age	mls	Client Info		<b>26287</b>	16000	0
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	>110	<b>13</b>	6	8
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	3	3
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>85	<b>2</b>	<1	1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

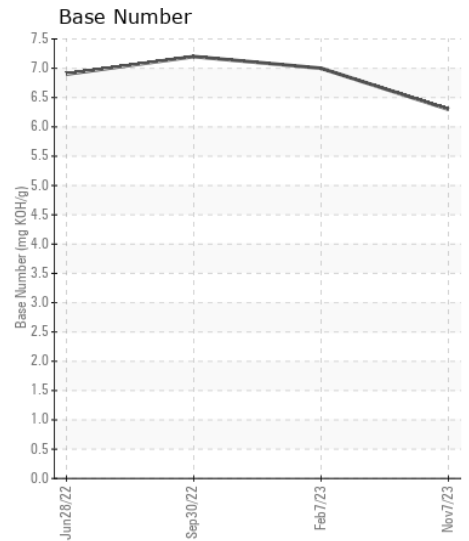
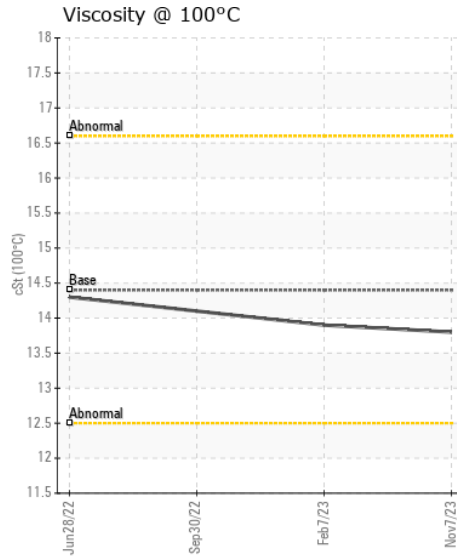
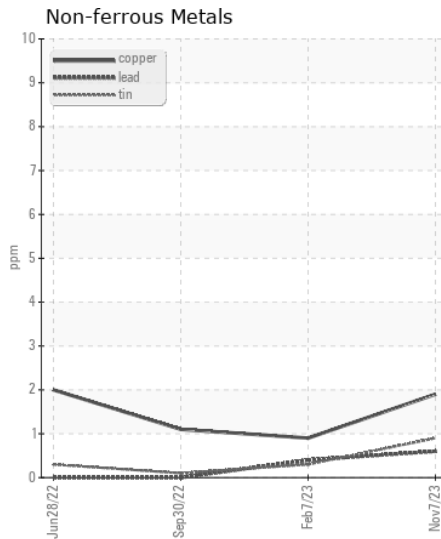
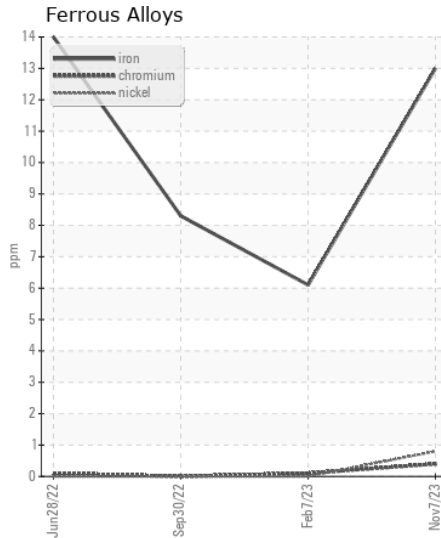
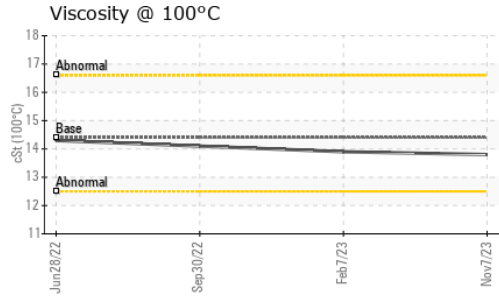
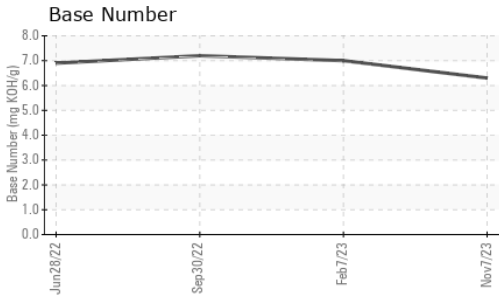
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>11</b>	7	8
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	4
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>0.5</b>	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.6</b>	7.7	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.2</b>	21.3	24.0
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	>50	<b>0</b>	<1	0
Boron	ppm	ASTM D5185m		<b>194</b>	320	203
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>94</b>	85	91
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>451</b>	376	386
Calcium	ppm	ASTM D5185m		<b>1553</b>	1398	1448
Phosphorus	ppm	ASTM D5185m		<b>1020</b>	995	1067
Zinc	ppm	ASTM D5185m		<b>1423</b>	1204	1300
Sulfur	ppm	ASTM D5185m		<b>3804</b>	3735	3695
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.6</b>	14.8	17.2
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.3</b>	7.0	7.2
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.8</b>	13.9	14.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0009884 **Received** : 09 Jan 2024  
**Lab Number** : 06055239 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821188 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**RTL PACLEASE - 7019 - Birmingham**  
 601 Republic Circle  
 Birmingham, AL  
 US 35214  
 Contact: Johnathan King  
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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: