



# OIL ANALYSIS REPORT

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

Machine Id  
**PACCAR 846-4611**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0017418</b>	RPL0015537	RPL0013426
Sample Date		Client Info		<b>03 Jan 2024</b>	04 Oct 2023	26 Jul 2023
Machine Age	mls	Client Info		<b>117995</b>	113304	104624
Oil Age	mls	Client Info		<b>13371</b>	8680	28190
Filter Age	mls	Client Info		<b>13371</b>	8680	28190
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>9</b>	9	33
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	2	4
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	2	6
Tin	ppm	ASTM D5185m	>15	<b>0</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

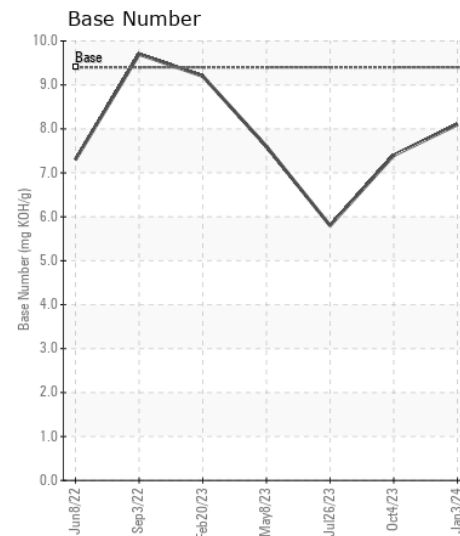
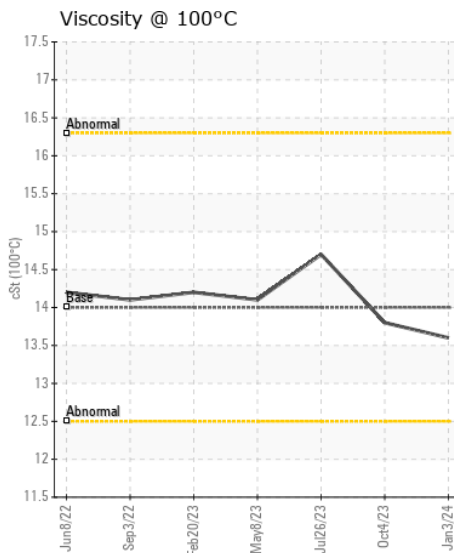
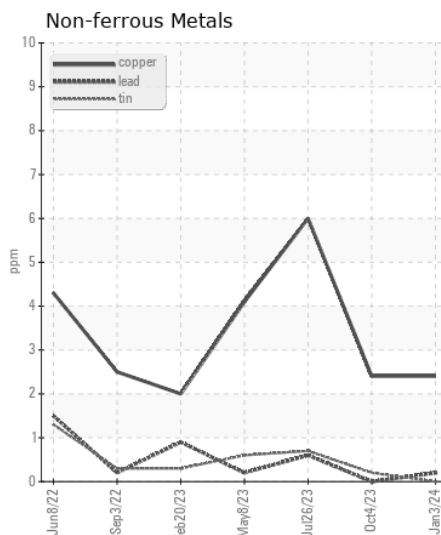
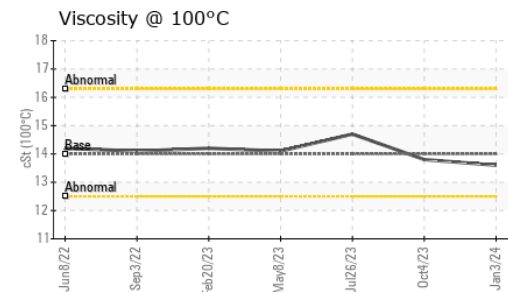
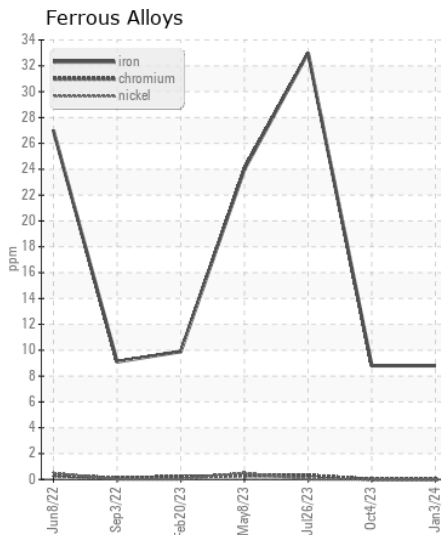
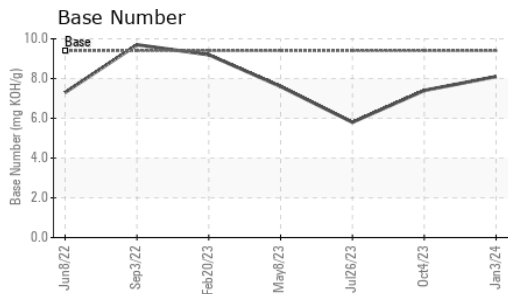
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	4	6
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	2	14
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>0.4</b>	0.3	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.8</b>	7.9	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.3</b>	19.8	25.3
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>1</b>	1	<1
Boron	ppm	ASTM D5185m	0	<b>2</b>	<1	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	0	<b>57</b>	56	60
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>967</b>	858	958
Calcium	ppm	ASTM D5185m		<b>1077</b>	1025	1381
Phosphorus	ppm	ASTM D5185m		<b>957</b>	899	1071
Zinc	ppm	ASTM D5185m		<b>1305</b>	1103	1318
Sulfur	ppm	ASTM D5185m		<b>2934</b>	2665	3170
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.5</b>	16.1	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.1</b>	7.4	5.8
Visc @ 100°C	cSt	ASTM D445	14	<b>13.6</b>	13.8	14.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0017418 **Received** : 11 Jan 2024  
**Lab Number** : 06057806 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829188 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**RTL PACLEASE - 7006 - Pico Rivera**  
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 Pico Rivera, CA  
 US 90660  
 Contact: Rudy Trevizo  
 TrevizoR@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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