



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**PACCAR 846-5140**  
 Component  
**1 Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0017353</b>	RPL0015489	RPL0013512
Sample Date		Client Info		<b>02 Jan 2024</b>	15 Oct 2023	30 Jun 2023
Machine Age	mls	Client Info		<b>25549</b>	0	6909
Oil Age	mls	Client Info		<b>25549</b>	0	6909
Filter Age	mls	Client Info		<b>25549</b>	0	6909
Oil Changed		Client Info		<b>Not Chngd</b>	N/A	N/A
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>38</b>	28	15
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</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>13</b>	0	4
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>10</b>	11	7
Tin	ppm	ASTM D5185m	>15	<b>2</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<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.

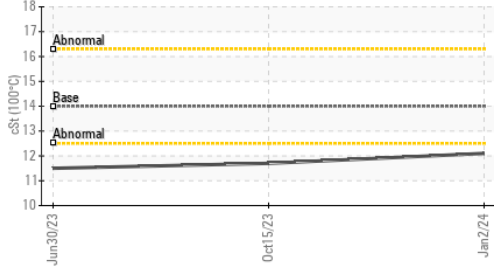
Silicon	ppm	ASTM D5185m	>25	<b>22</b>	25	22
Potassium	ppm	ASTM D5185m	>20	<b>34</b>	24	13
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	<1.0	0.5
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.6</b>	9.7	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.5</b>	22.4	18.3
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

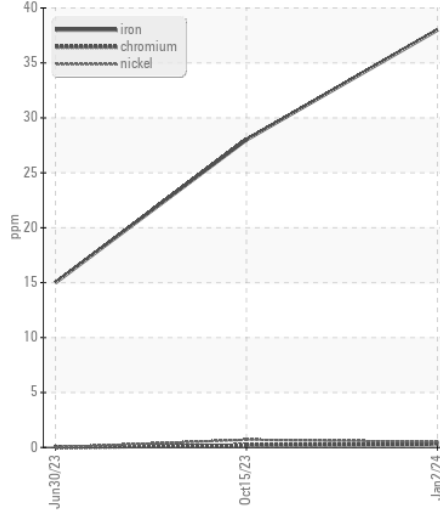
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	3
Boron	ppm	ASTM D5185m	0	<b>13</b>	30	76
Barium	ppm	ASTM D5185m	0	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	0	<b>12</b>	7	7
Manganese	ppm	ASTM D5185m		<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m	0	<b>841</b>	691	798
Calcium	ppm	ASTM D5185m		<b>1274</b>	1243	1367
Phosphorus	ppm	ASTM D5185m		<b>794</b>	687	747
Zinc	ppm	ASTM D5185m		<b>961</b>	804	879
Sulfur	ppm	ASTM D5185m		<b>2999</b>	2865	3600
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.1</b>	18.6	14.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>4.3</b>	5.1	7.4
Visc @ 100°C	cSt	ASTM D445	14	<b>▲ 12.1</b>	11.7	11.5

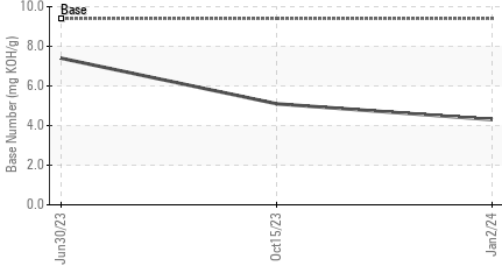
▲ Viscosity @ 100°C



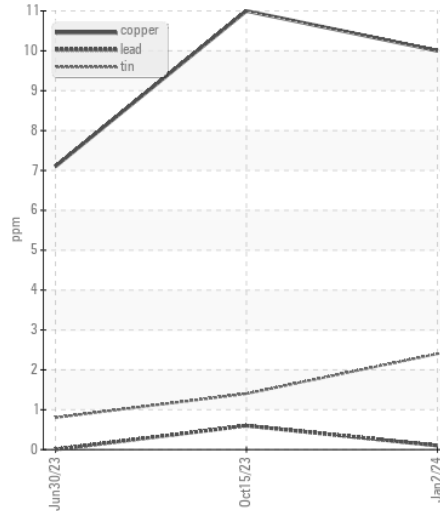
Ferrous Alloys



Base Number



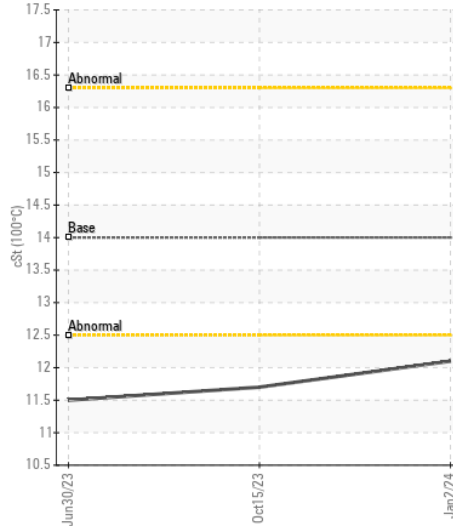
Non-ferrous Metals



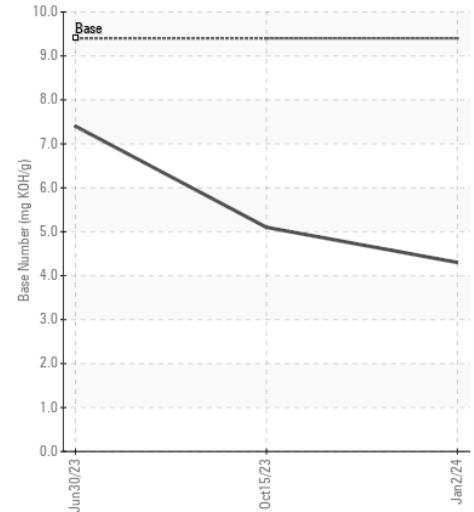
Fuel Dilution



▲ Viscosity @ 100°C



Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0017353 **Received** : 11 Jan 2024  
**Lab Number** : 06057846 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829228 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution )

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 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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F: