



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**PETERBILT 846-5139**  
 Component  
**1 Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (44 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017420	RPL0015549	---
Sample Date		Client Info		28 Dec 2023	27 Sep 2023	---
Machine Age	mls	Client Info		22304	0	---
Oil Age	mls	Client Info		22304	0	---
Filter Age	mls	Client Info		22304	44	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				ATTENTION	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	54	37	---
Chromium	ppm	ASTM D5185m	>4	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	1	1	---
Aluminum	ppm	ASTM D5185m	>25	12	0	---
Lead	ppm	ASTM D5185m	>45	<1	<1	---
Copper	ppm	ASTM D5185m	>85	13	13	---
Tin	ppm	ASTM D5185m	>4	2	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

There is no indication of any contamination in the oil.

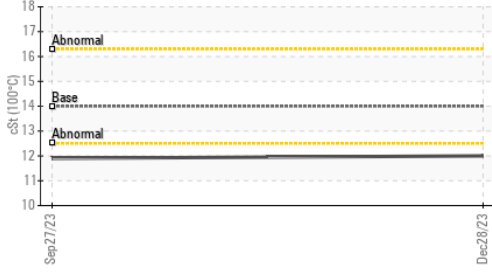
Silicon	ppm	ASTM D5185m	>30	19	18	---
Potassium	ppm	ASTM D5185m	>20	33	32	---
Fuel	%	ASTM D3524	>5	<1.0	0.7	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	10.9	9.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	22.4	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

## FLUID CONDITION

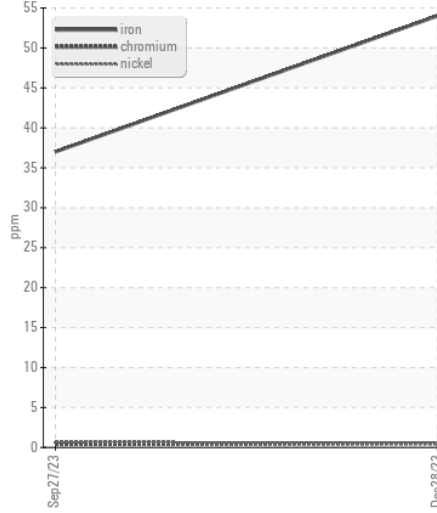
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		1	<1	---
Boron	ppm	ASTM D5185m	0	13	25	---
Barium	ppm	ASTM D5185m	0	0	3	---
Molybdenum	ppm	ASTM D5185m	0	7	8	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	0	828	686	---
Calcium	ppm	ASTM D5185m		1297	1226	---
Phosphorus	ppm	ASTM D5185m		773	682	---
Zinc	ppm	ASTM D5185m		922	803	---
Sulfur	ppm	ASTM D5185m		2961	2772	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.5	18.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.3	5.2	---
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.0	11.9	---

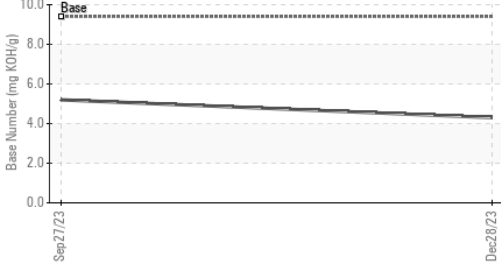
▲ Viscosity @ 100°C



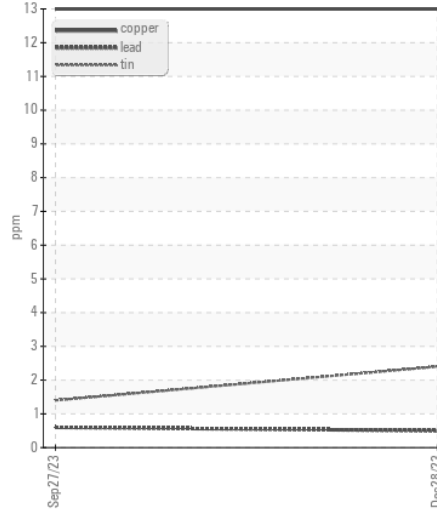
Ferrous Alloys



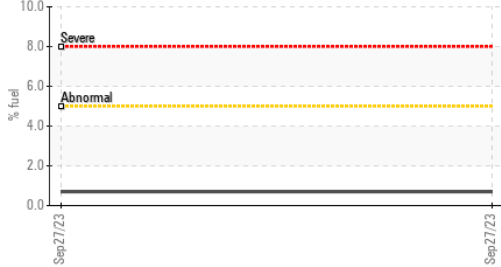
Base Number



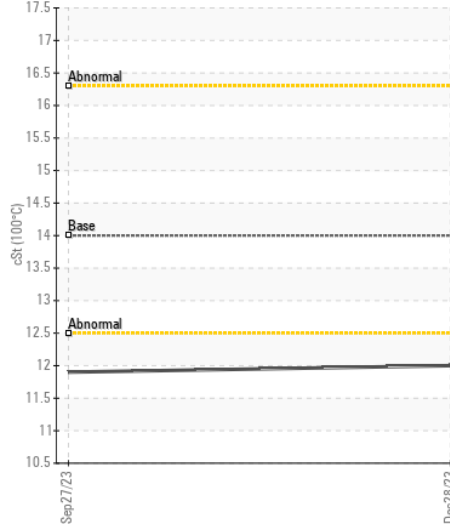
Non-ferrous Metals



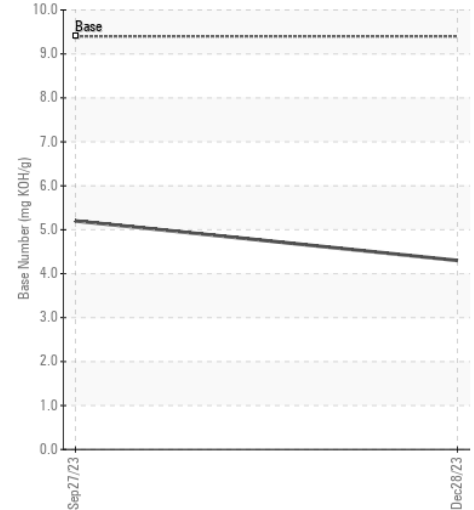
Fuel Dilution



▲ Viscosity @ 100°C



Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0017420 **Received** : 11 Jan 2024  
**Lab Number** : 06057835 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829217 **Diagnostician** : Don Baldrige  
**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)

T:  
F: