



# OIL ANALYSIS REPORT

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

Machine Id  
**PETERBILT 957-1179**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (45 QTS)**

## 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>RPL0015900</b>	RPL0012537	RPL0009521
Sample Date		Client Info		<b>02 Apr 2024</b>	03 Jan 2024	05 Apr 2023
Machine Age	mls	Client Info		<b>435264</b>	383845	383845
Oil Age	mls	Client Info		<b>15000</b>	336422	372392
Filter Age	mls	Client Info		<b>15000</b>	336422	372392
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>8</b>	9	11
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	4	<1
Lead	ppm	ASTM D5185m	>150	<b>2</b>	1	1
Copper	ppm	ASTM D5185m	>90	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

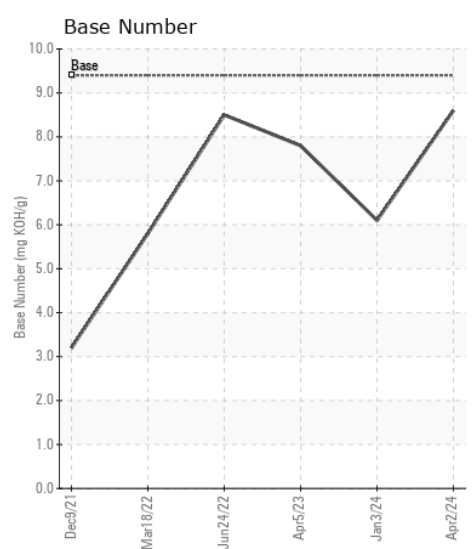
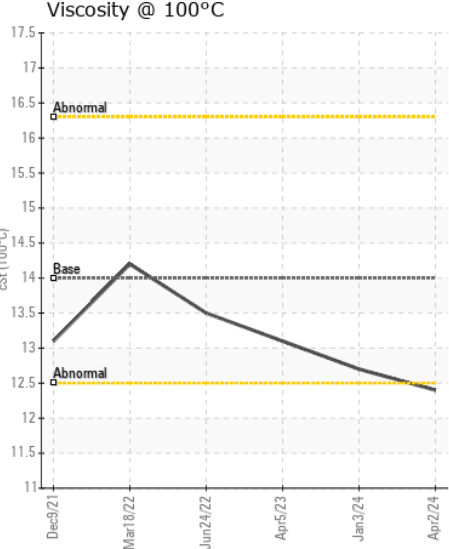
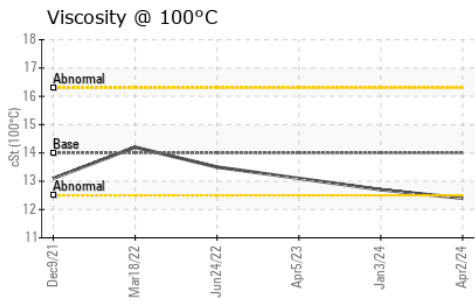
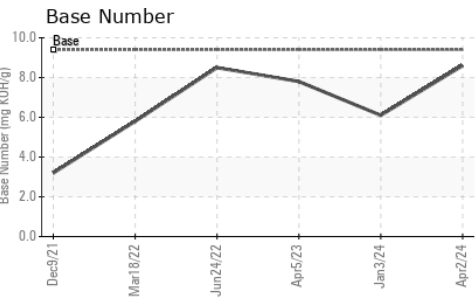
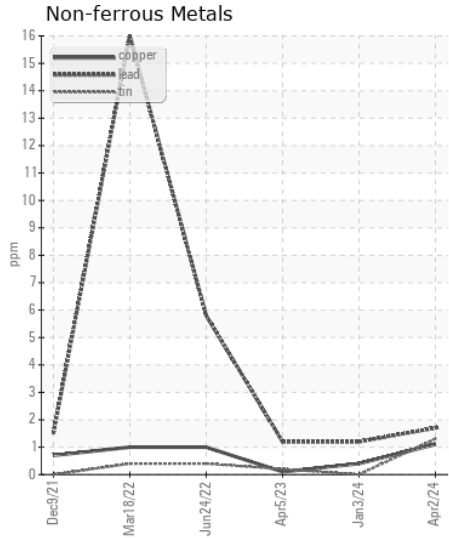
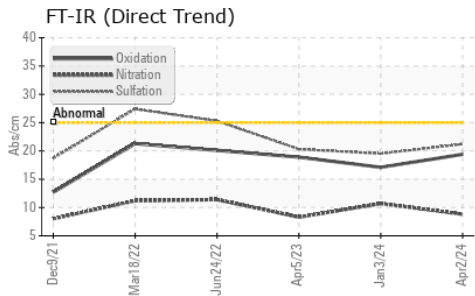
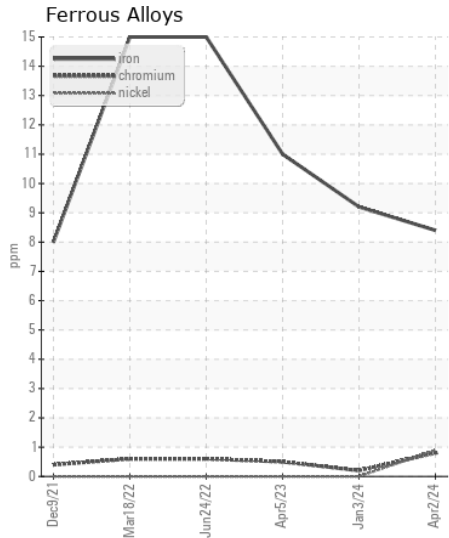
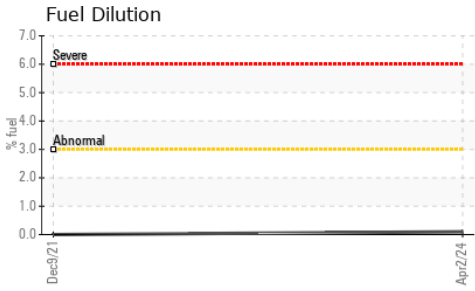
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>9</b>	10	6
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	3
Fuel	%	ASTM D3524	>3.0	<b>0.1</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	>7.5	<b>0.3</b>	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.8</b>	10.7	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.2</b>	19.5	20.3
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>	2	0
Boron	ppm	ASTM D5185m	0	<b>56</b>	59	24
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m	0	<b>84</b>	125	53
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>548</b>	715	612
Calcium	ppm	ASTM D5185m		<b>1537</b>	1330	1503
Phosphorus	ppm	ASTM D5185m		<b>801</b>	702	828
Zinc	ppm	ASTM D5185m		<b>876</b>	848	1003
Sulfur	ppm	ASTM D5185m		<b>2679</b>	2926	2529
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.4</b>	17.1	18.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.6</b>	6.1	7.8
Visc @ 100°C	cSt	ASTM D445	14	<b>12.4</b>	12.7	13.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0015900 **Received** : 12 Apr 2024  
**Lab Number** : 06146865 **Tested** : 17 Apr 2024  
**Unique Number** : 10976943 **Diagnosed** : 17 Apr 2024 - Wes Davis  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**RTL PACLEASE - 7004 - Austin**  
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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)