



# WEAR CHECK

## OIL ANALYSIS REPORT

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

Area  
**2H28**  
Machine Id  
**PETERBILT RTK9744 (S/N 2NP3LJ0X4HM417295)**  
Component  
**Transmission (Auto)**  
Fluid  
**ATF (PAO) (--- GAL)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ARI0006398</b>	ARI0006371	ARI0005279
Sample Date		Client Info		<b>08 Jan 2024</b>	09 Mar 2023	01 Feb 2022
Machine Age	mls	Client Info		<b>122182</b>	122500	95714
Oil Age	mls	Client Info		<b>6480</b>	0	9305
Filter Age	mls	Client Info		<b>0</b>	0	9305
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

Moderate concentration of visible metal present. All component wear rates are normal.

Iron	ppm	ASTM D5185m	>230	<b>174</b>	165	157
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	2
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>65	<b>23</b>	26	23
Lead	ppm	ASTM D5185m	>55	<b>13</b>	14	15
Copper	ppm	ASTM D5185m	>85	<b>9</b>	8	9
Tin	ppm	ASTM D5185m	>5	<b>1</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>▲ MODER</b>	▲ MODER	▲ MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

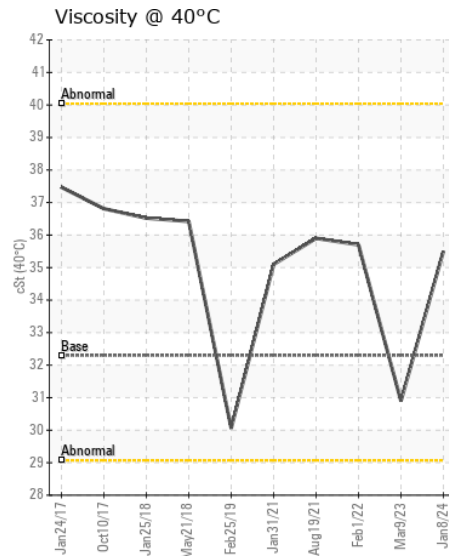
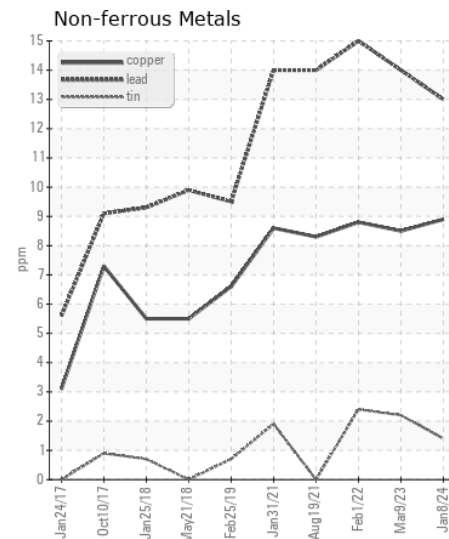
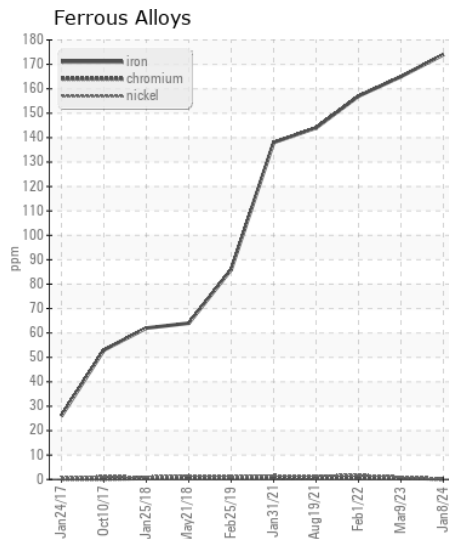
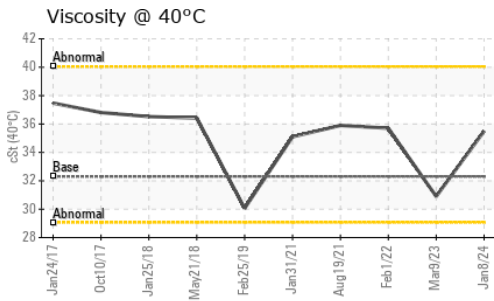
No other contaminants were detected in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	8	6
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>8</b>	8	8
Boron	ppm	ASTM D5185m	175	<b>81</b>	81	99
Barium	ppm	ASTM D5185m	5	<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	1	2
Manganese	ppm	ASTM D5185m		<b>3</b>	4	3
Magnesium	ppm	ASTM D5185m	5	<b>0</b>	4	<1
Calcium	ppm	ASTM D5185m	125	<b>30</b>	47	32
Phosphorus	ppm	ASTM D5185m	290	<b>228</b>	259	278
Zinc	ppm	ASTM D5185m	10	<b>2</b>	2	3
Sulfur	ppm	ASTM D5185m	400	<b>259</b>	0	268
Visc @ 40°C	cSt	ASTM D445	32.3	<b>35.5</b>	30.9	35.7



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ARI0006398 **Received** : 30 Jan 2024  
**Lab Number** : 06075232 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10857323 **Diagnostician** : Don Baldrige  
**Test Package** : CONST

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Certificate L2367  
 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)