



# WEAR CHECK

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

**5C07**

Machine Id

**PETERBILT BTK9788 (S/N 2NP2HM7X5HM422428)**

Component

**Transmission (Auto)**

Fluid

**DEXRON III (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ARI0007498</b>	ARI0006838	ARI0006819
Sample Date		Client Info		<b>03 May 2024</b>	09 Feb 2024	02 Nov 2023
Machine Age	mls	Client Info		<b>112140</b>	72905	71379
Oil Age	mls	Client Info		<b>0</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>120</b>	6	0
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>50	<b>11</b>	1	0
Lead	ppm	ASTM D5185m	>50	<b>10</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>26</b>	1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	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 fluid.

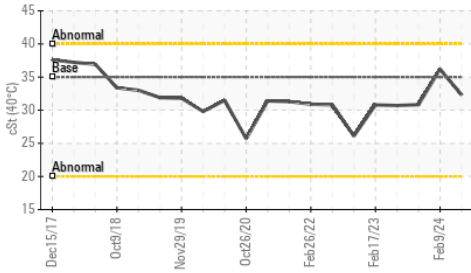
Silicon	ppm	ASTM D5185m	>20	<b>9</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	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

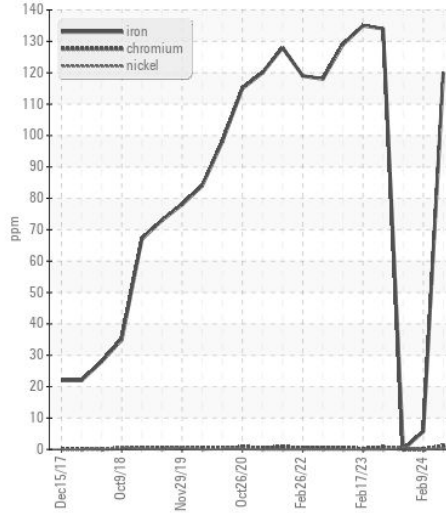
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>8</b>	1	1
Boron	ppm	ASTM D5185m		<b>219</b>	157	75
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Manganese	ppm	ASTM D5185m		<b>3</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	3
Calcium	ppm	ASTM D5185m		<b>118</b>	71	118
Phosphorus	ppm	ASTM D5185m		<b>429</b>	287	191
Zinc	ppm	ASTM D5185m		<b>8</b>	11	0
Sulfur	ppm	ASTM D5185m		<b>1452</b>	1030	2019
Visc @ 40°C	cSt	ASTM D445	35.0	<b>32.3</b>	36.2	30.84

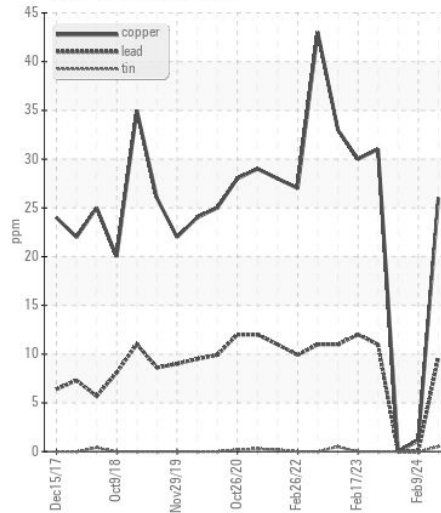
Viscosity @ 40°C



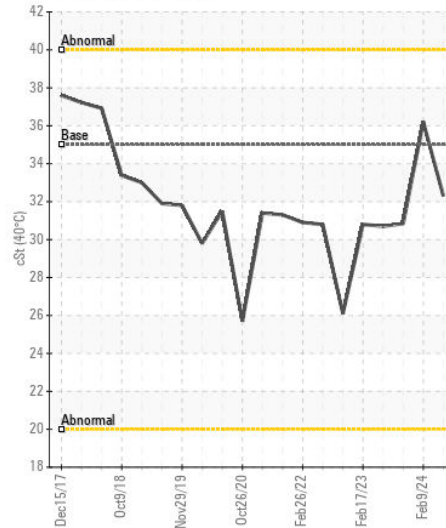
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ARI0007498  
**Lab Number** : 06188124  
**Unique Number** : 11044876  
**Test Package** : CONST

**Received** : 22 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 24 May 2024 - Sean Felton

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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)

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