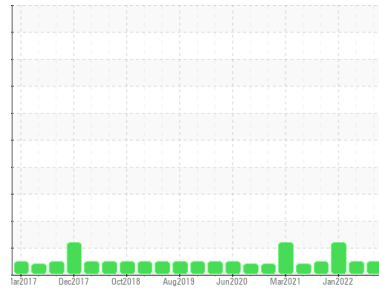




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**2H28**

Machine Id

**PETERBILT 337 JTK9851 (S/N 2NP2HM7XXHM442982)**

Component

**Transmission (Auto)**

Fluid

{not provided} (--- GAL)

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>ARI0007520</b>	ARI0006908	ARI0005247
Sample Date	Client Info		<b>12 Apr 2024</b>	09 Oct 2023	14 Jan 2022
Machine Age	mls	Client Info	<b>88131</b>	86792	77328
Oil Age	mls	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>150</b>	136	117
Chromium	ppm	ASTM D5185m >5	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>2</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>33</b>	18	27
Lead	ppm	ASTM D5185m >50	<b>8</b>	7	4
Copper	ppm	ASTM D5185m >225	<b>20</b>	17	14
Tin	ppm	ASTM D5185m >10	<b>6</b>	5	3
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>232</b>	186	206
Barium	ppm	ASTM D5185m	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m	<b>2</b>	<1	6
Calcium	ppm	ASTM D5185m	<b>195</b>	181	195
Phosphorus	ppm	ASTM D5185m	<b>557</b>	481	520
Zinc	ppm	ASTM D5185m	<b>7</b>	6	8
Sulfur	ppm	ASTM D5185m	<b>1958</b>	1684	1471

## CONTAMINANTS

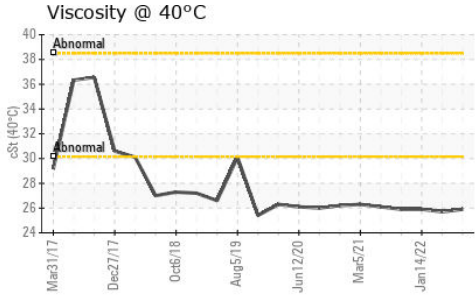
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>9</b>	8	7
Sodium	ppm	ASTM D5185m	<b>9</b>	6	8
Potassium	ppm	ASTM D5185m >20	<b>4</b>	3	0

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	▲ MODER
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

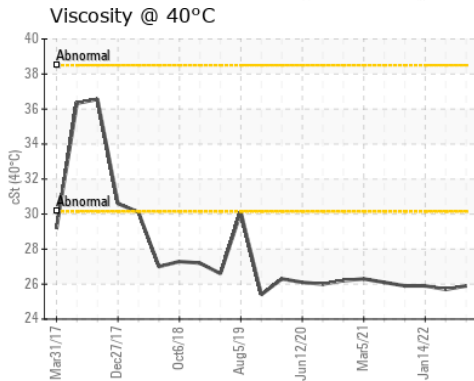
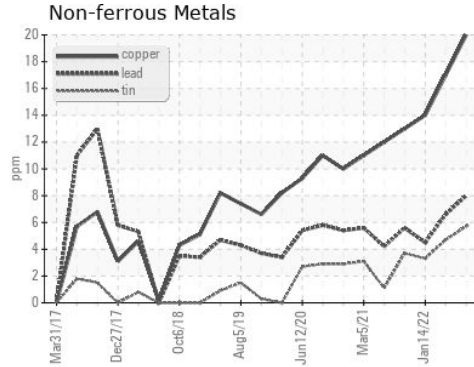
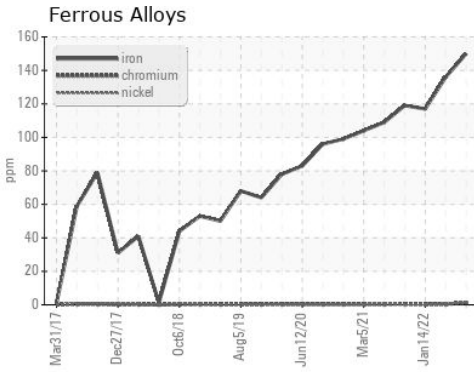


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>25.9</b>	25.7	25.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ARI0007520  
**Lab Number** : 06152415  
**Unique Number** : 10982493  
**Test Package** : CONST

**INSITUFORM TECHNOLOGIES, INC**  
 709 EAST ORDNANCE ROAD SUITE 501  
 BALTIMORE, MD  
 US 21226  
 Contact: ALBERT FRIEDRICH  
 AFRIEDRICH@INSITUFORM.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)