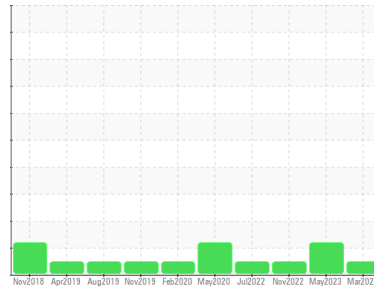




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**2H28**

Machine Id

**PETERBILT PB348 RTK9958 (S/N 2NP3LJ0X6JM467282)**

Component

**Transmission (Auto)**

Fluid

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

### 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>ARI0007312</b>	ARI0004537	ARI0004612
Sample Date	Client Info		<b>04 Mar 2024</b>	16 May 2023	03 Nov 2022
Machine Age	mls	Client Info	<b>103127</b>	89937	0
Oil Age	mls	Client Info	<b>0</b>	89937	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## 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 >325	<b>168</b>	139	132
Chromium	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >2	<b>1</b>	<1	1
Titanium	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>29</b>	23	23
Lead	ppm	ASTM D5185m >40	<b>10</b>	8	9
Copper	ppm	ASTM D5185m >50	<b>12</b>	10	10
Tin	ppm	ASTM D5185m >10	<b>1</b>	<1	1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>91</b>	95	89
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	1
Manganese	ppm	ASTM D5185m	<b>3</b>	3	3
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185m	<b>111</b>	36	34
Phosphorus	ppm	ASTM D5185m	<b>315</b>	251	285
Zinc	ppm	ASTM D5185m	<b>22</b>	0	2
Sulfur	ppm	ASTM D5185m	<b>894</b>	909	689

## CONTAMINANTS

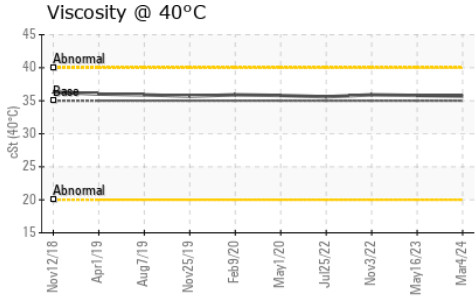
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>10</b>	8	8
Sodium	ppm	ASTM D5185m	<b>13</b>	10	10
Potassium	ppm	ASTM D5185m >20	<b>7</b>	5	3

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	▲ MODER	NONE
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

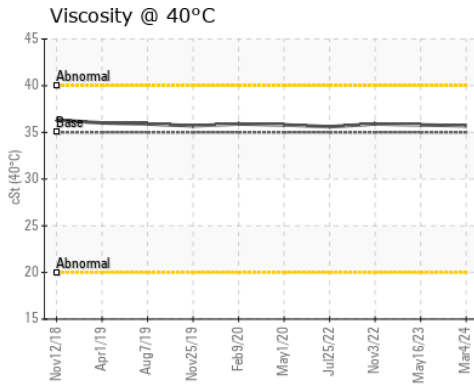
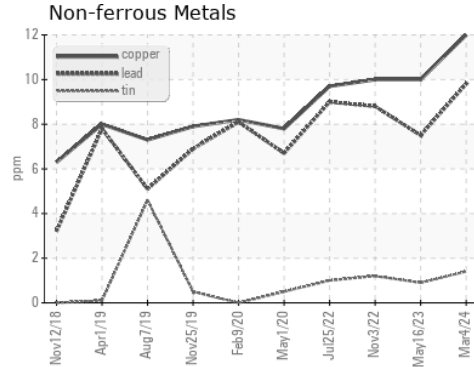
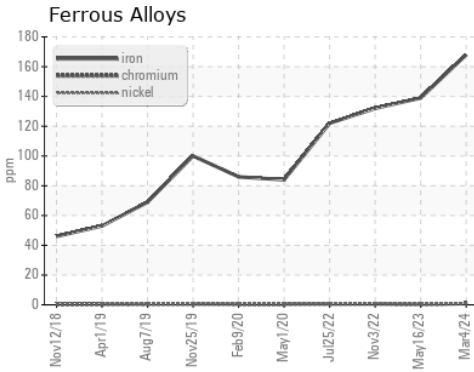


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	<b>35.7</b>	35.8	35.9

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.** : ARI0007312      **Received** : 08 Apr 2024  
**Lab Number** : 06141837      **Tested** : 09 Apr 2024  
**Unique Number** : 10966645      **Diagnosed** : 09 Apr 2024 - Wes Davis  
**Test Package** : CONST

**INSITUFORM TECHNOLOGIES, INC**  
 17988 EDISON AVE.  
 CHESTERFIELD, MO  
 US 63005  
 Contact: ANDY RICHTER  
 ARIICHTER@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)

T: (314)280-7555  
F: