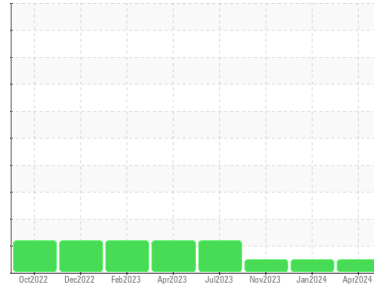




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**2M34**  
Machine Id  
**FREIGHTLINER M2 106 MEDIUM DUTY JTK8461**  
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>ARI0007519</b>	ARI0006831	ARI0006822
Sample Date	Client Info		<b>12 Apr 2024</b>	12 Jan 2024	13 Nov 2023
Machine Age	mls	Client Info	<b>34223</b>	31255	29797
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	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 >160	<b>129</b>	88	84
Chromium	ppm	ASTM D5185m >5	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>2</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>23</b>	15	16
Lead	ppm	ASTM D5185m >50	<b>11</b>	7	7
Copper	ppm	ASTM D5185m >225	<b>11</b>	7	8
Tin	ppm	ASTM D5185m >10	<b>4</b>	2	2
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>136</b>	92	100
Barium	ppm	ASTM D5185m	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>3</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>4</b>	2	3
Magnesium	ppm	ASTM D5185m	<b>1</b>	0	<1
Calcium	ppm	ASTM D5185m	<b>69</b>	46	40
Phosphorus	ppm	ASTM D5185m	<b>362</b>	256	254
Zinc	ppm	ASTM D5185m	<b>10</b>	3	0
Sulfur	ppm	ASTM D5185m	<b>1295</b>	980	765

## CONTAMINANTS

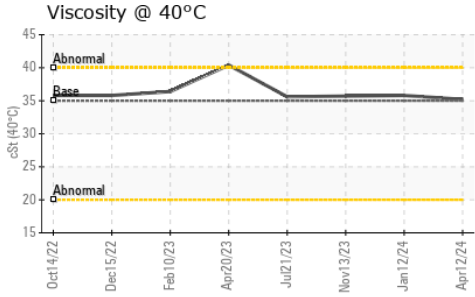
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>8</b>	5	5
Sodium	ppm	ASTM D5185m	<b>11</b>	7	9
Potassium	ppm	ASTM D5185m >20	<b>7</b>	3	5

## VISUAL

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

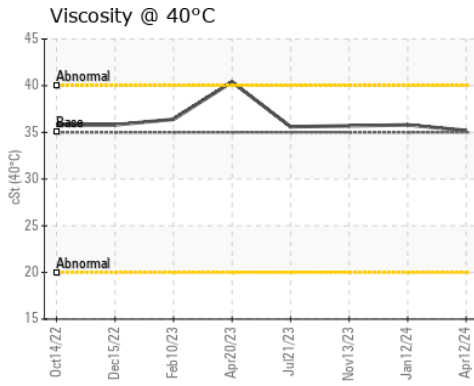
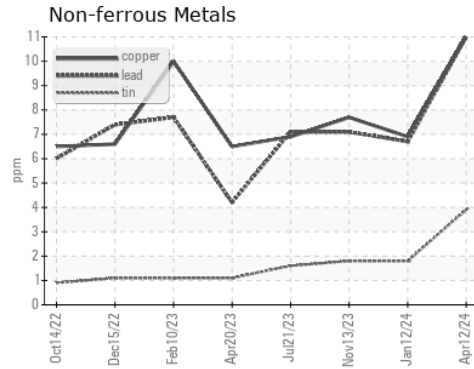
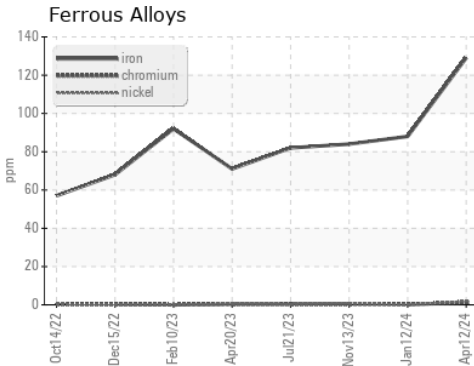


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	<b>35.2</b>	35.8	35.7

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.** : ARI0007519  
**Lab Number** : 06152416  
**Unique Number** : 10982494  
**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)