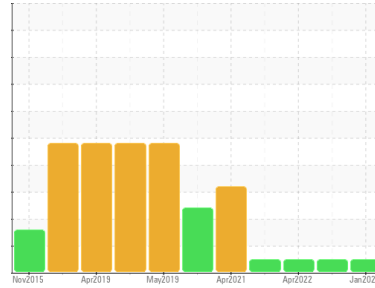


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KEMP QUARRIES / RIVER VALLEY OZARK**  
 Machine Id  
**TTH017**  
 Component  
**Front Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Performed pm-4 on 1/10/24 )

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0084495</b>	PCA0037186	PCA0049376
Sample Date	Client Info	<b>12 Jan 2024</b>	13 Jan 2023	05 Apr 2022
Machine Age	hrs	<b>5255</b>	18563	4336
Oil Age	hrs	<b>5255</b>	900	600
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Not Changd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >2766	<b>161</b>	218	202
Chromium	ppm ASTM D5185m >36	<b>1</b>	2	2
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm ASTM D5185m >13	<b>&lt;1</b>	1	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >221	<b>5</b>	9	9
Lead	ppm ASTM D5185m >6	<b>&lt;1</b>	0	<1
Copper	ppm ASTM D5185m >19	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185m >5	<b>0</b>	0	<1
Antimony	ppm ASTM D5185m >5	<b>---</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>29</b>	22	15
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	1	1
Magnesium	ppm ASTM D5185m	<b>10</b>	10	13
Calcium	ppm ASTM D5185m	<b>2867</b>	2929	3093
Phosphorus	ppm ASTM D5185m	<b>951</b>	1025	1089
Zinc	ppm ASTM D5185m	<b>1192</b>	1160	1220
Sulfur	ppm ASTM D5185m	<b>8048</b>	6450	5838

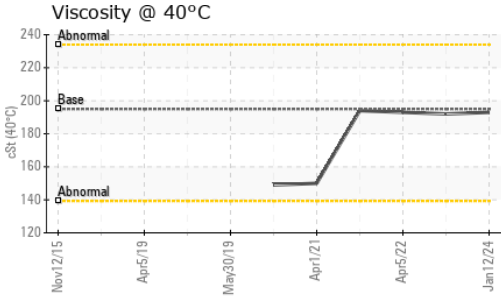
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >970	<b>40</b>	51	47
Sodium	ppm ASTM D5185m	<b>0</b>	0	1
Potassium	ppm ASTM D5185m >20	<b>4</b>	4	0

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	MODER	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>MODER</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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

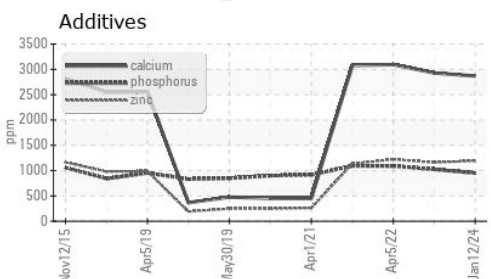
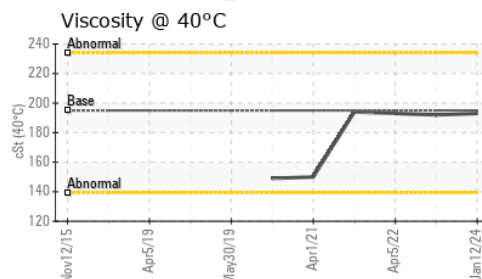
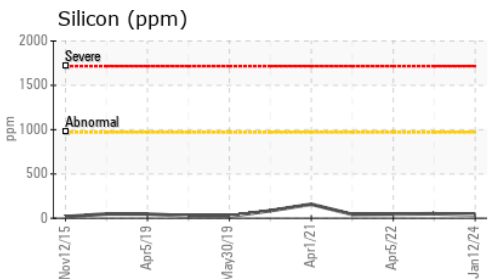
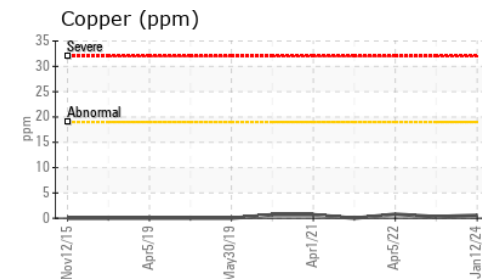
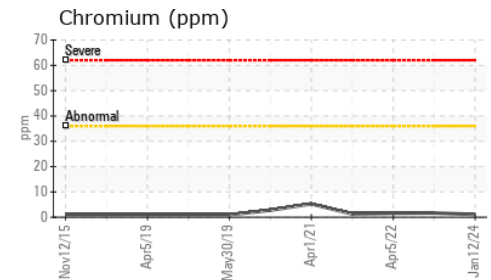
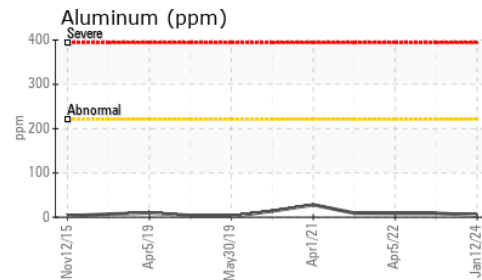
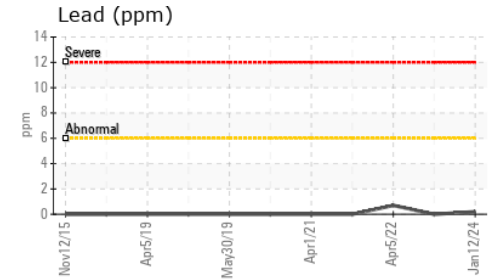
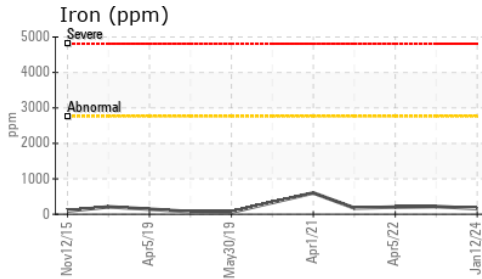


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	<b>193</b>	192	193

SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------

Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0084495  
**Lab Number** : 06074169  
**Unique Number** : 10856260  
**Test Package** : MOB 1

**Kemp Quarries - River Valley - Ozark**  
 9446 N Hwy 309  
 Ozark, AR  
 US 72949

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)

Contact: ozark@rivervalleyquarries.com

T:

F: