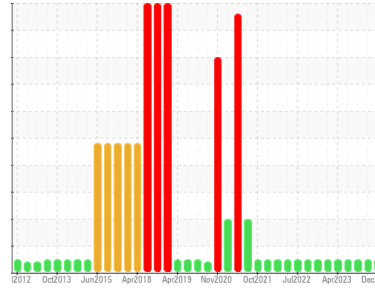


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KEMP QUARRIES / RIVER VALLEY BACKBONE**  
 Machine Id  
**WL079**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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>PCA0084796</b>	PCA0085847	PCA0084847
Sample Date	Client Info	<b>28 Dec 2023</b>	23 Oct 2023	13 Oct 2023
Machine Age	hrs	<b>48609</b>	0	48226
Oil Age	hrs	<b>398</b>	0	1200
Oil Changed	Client Info	<b>Not Chngd</b>	N/A	Changed
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 >800	<b>59</b>	178	29
Chromium	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	0
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	<1	0
Titanium	ppm ASTM D5185m >15	<b>&lt;1</b>	<1	0
Silver	ppm ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >75	<b>2</b>	4	1
Lead	ppm ASTM D5185m >10	<b>2</b>	5	0
Copper	ppm ASTM D5185m >75	<b>14</b>	49	1
Tin	ppm ASTM D5185m >8	<b>2</b>	3	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>1</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	9	0
Molybdenum	ppm ASTM D5185m	<b>2</b>	2	<1
Manganese	ppm ASTM D5185m	<b>1</b>	1	0
Magnesium	ppm ASTM D5185m	<b>20</b>	22	19
Calcium	ppm ASTM D5185m	<b>3239</b>	3023	3086
Phosphorus	ppm ASTM D5185m	<b>956</b>	970	855
Zinc	ppm ASTM D5185m	<b>1153</b>	1181	1130
Sulfur	ppm ASTM D5185m	<b>6897</b>	7147	4927

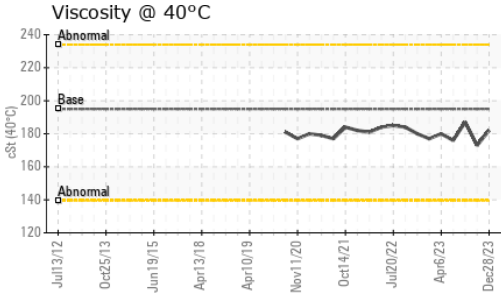
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	<b>17</b>	35	16
Sodium	ppm ASTM D5185m	<b>0</b>	0	2
Potassium	ppm ASTM D5185m >20	<b>2</b>	4	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>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

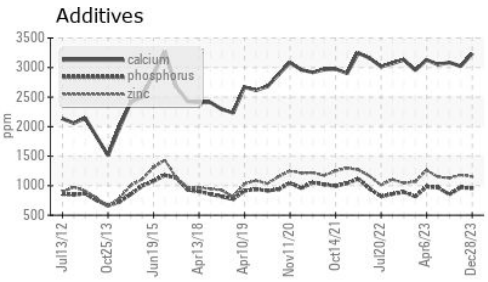
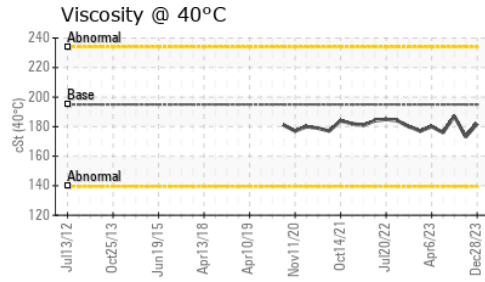
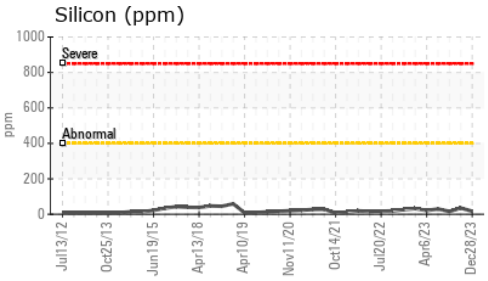
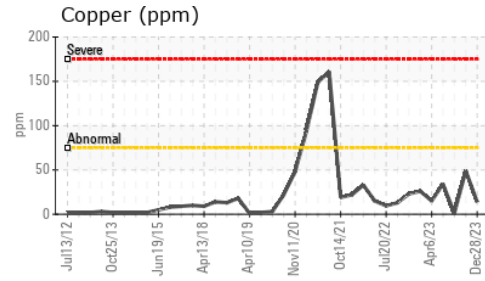
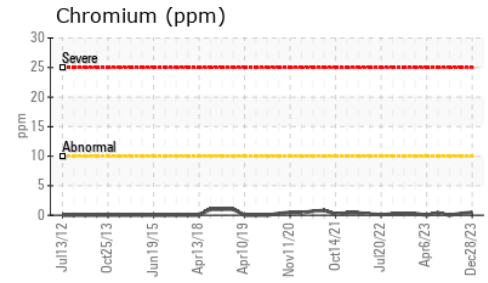
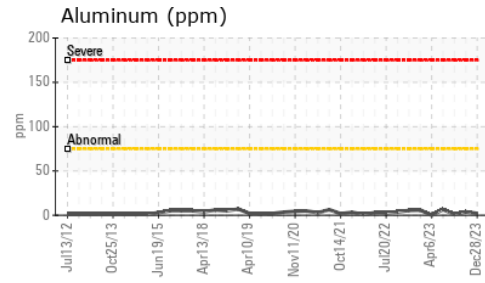
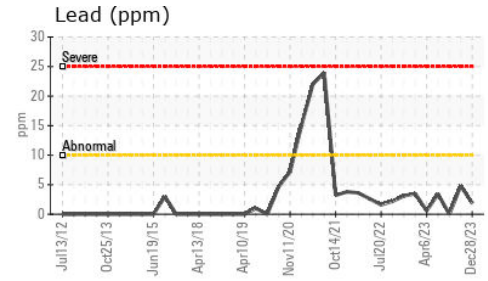
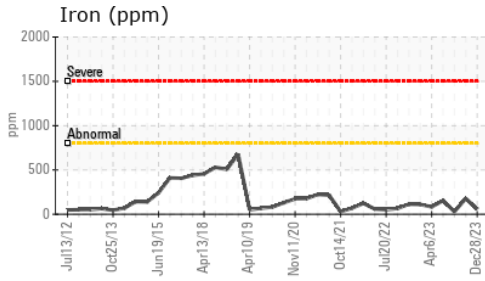


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	<b>182</b>	173	187

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0084796 **Received** : 08 Jan 2024  
**Lab Number** : 06054424 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 10820373 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Kemp Quarries - River Valley - Backbone**  
 5600 S Hwy 253  
 Huntington, AR  
 US 72940  
 Contact:

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)

backbone@rivervalleyquarries.com

T:

F: