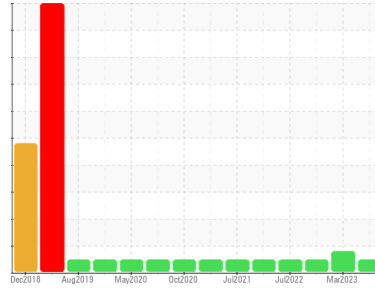


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KEMP QUARRIES / BCS - GRAVETTE**  
Machine Id  
**WL124**  
Component  
**Rear Differential**  
Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-1 sampled fluid )

### 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	history 1	history 2
Sample Number	Client Info	<b>PCA0084631</b>	PCA0086019	PCA0070268
Sample Date	Client Info	<b>06 Jul 2023</b>	17 Mar 2023	18 Oct 2022
Machine Age	hrs	<b>36752</b>	36319	35888
Oil Age	hrs	<b>36752</b>	36319	35888
Oil Changed	Client Info	<b>N/A</b>	Changed	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >500	<b>46</b>	▲ 537	486
Chromium	ppm	ASTM D5185m >3	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m >2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	8	7
Lead	ppm	ASTM D5185m >13	<b>0</b>	1	2
Copper	ppm	ASTM D5185m >103	<b>2</b>	26	22
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	<b>2</b>	8	7
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	2	2
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	5	4
Magnesium	ppm	ASTM D5185m	<b>19</b>	28	31
Calcium	ppm	ASTM D5185m	<b>3112</b>	3215	3056
Phosphorus	ppm	ASTM D5185m	<b>1059</b>	1221	1030
Zinc	ppm	ASTM D5185m	<b>1308</b>	1330	1169
Sulfur	ppm	ASTM D5185m	<b>6280</b>	11876	13079

## CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >100	<b>12</b>	36	33
Sodium	ppm	ASTM D5185m	<b>2</b>	0	<1
Potassium	ppm	ASTM D5185m >20	<b>2</b>	4	1

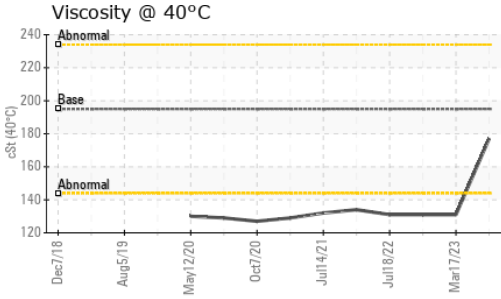
## VISUAL

method	limit/base	current	history 1	history 2	
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	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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

## FLUID PROPERTIES

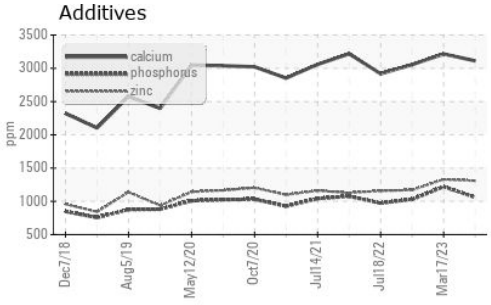
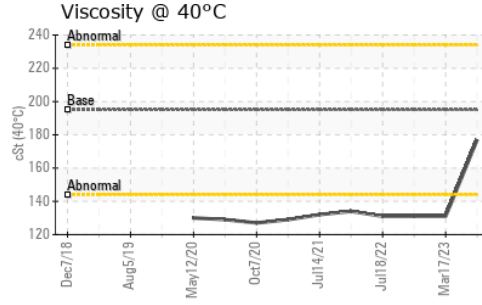
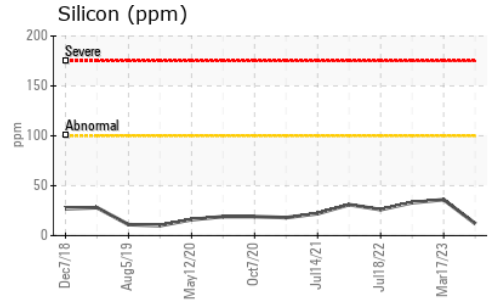
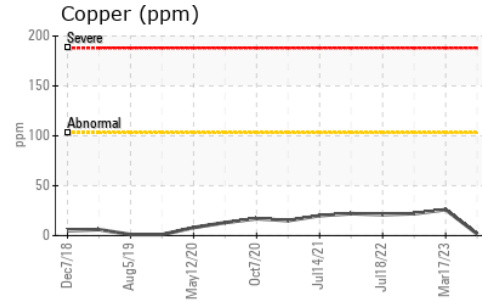
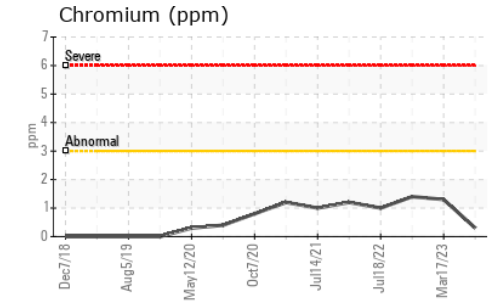
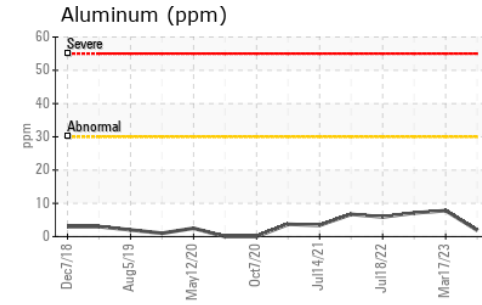
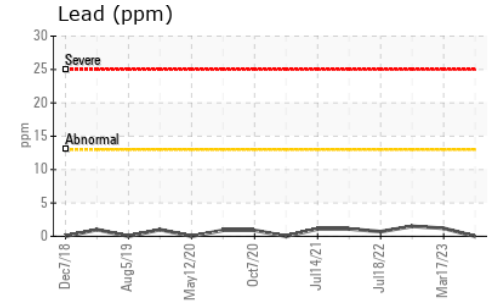
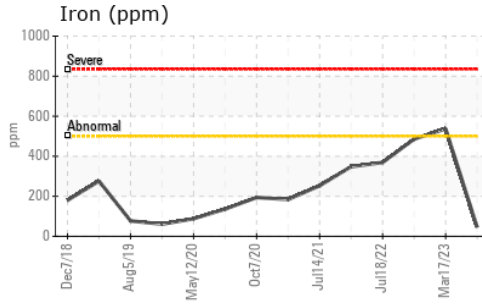
method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445 195	<b>177</b>	131	131

# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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.** : PCA0084631 **Received** : 10 Jul 2023  
**Lab Number** : 05894687 **Diagnosed** : 12 Jul 2023  
**Unique Number** : 10550497 **Diagnostician** : Sean Felton  
**Test Package** : MOB 1

**Kemp Quarries - Benton County Stone - Gravette**  
 15100 N Hwy 59  
 Sulphur Springs, AR  
 US 72768  
 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)

gravette@bentoncountystone.com

T:

F: