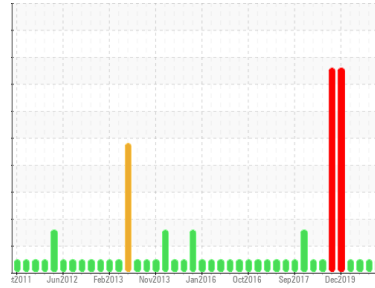


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KEMP QUARRIES / HULBERT**  
Machine Id  
**WL030**  
Component  
**Transmission (Manual)**  
Fluid  
**MOBIL MOBILTRANS HD 30 (--- 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 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>PCA0109210</b>	PCA0086835	PCA0025306	
Sample Date	Client Info	<b>23 Feb 2024</b>	26 Jul 2023	16 Jul 2020	
Machine Age	hrs	Client Info	<b>6688</b>	6169	5097
Oil Age	hrs	Client Info	<b>0</b>	0	623
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	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 >200	<b>2</b>	6	30
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	<1
Silver	ppm ASTM D5185m >7	<b>0</b>	0	2
Aluminum	ppm ASTM D5185m >25	<b>2</b>	0	0
Lead	ppm ASTM D5185m >45	<b>0</b>	<1	1
Copper	ppm ASTM D5185m >225	<b>24</b>	12	74
Tin	ppm ASTM D5185m >10	<b>0</b>	<1	<1
Antimony	ppm ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>4</b>	2	6
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>1</b>	2	<1
Manganese	ppm ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm ASTM D5185m	<b>29</b>	29	20
Calcium	ppm ASTM D5185m	<b>3192</b>	3151	1965
Phosphorus	ppm ASTM D5185m	<b>1020</b>	859	782
Zinc	ppm ASTM D5185m	<b>1167</b>	1053	809
Sulfur	ppm ASTM D5185m	<b>3932</b>	3367	6461

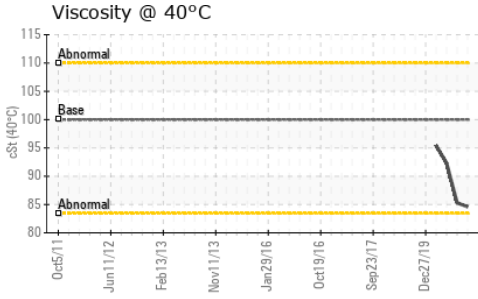
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	<b>6</b>	12	7
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	0	1

## VISUAL

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

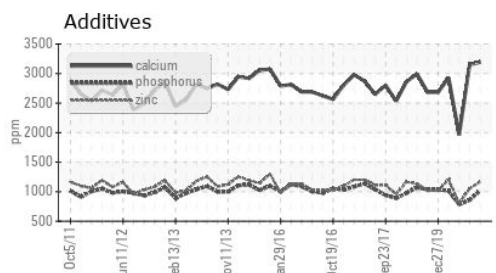
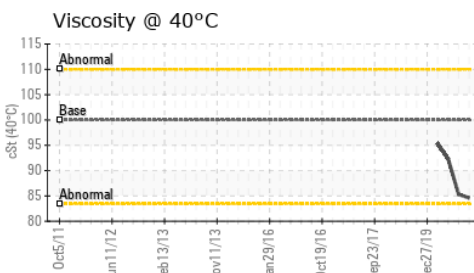
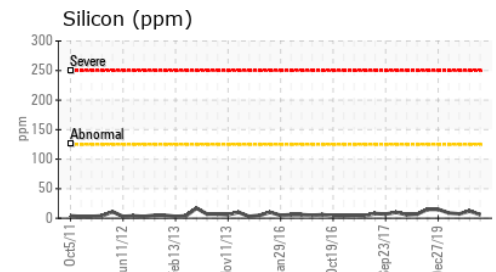
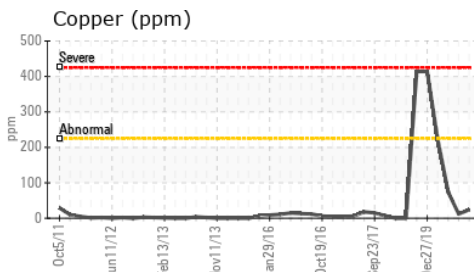
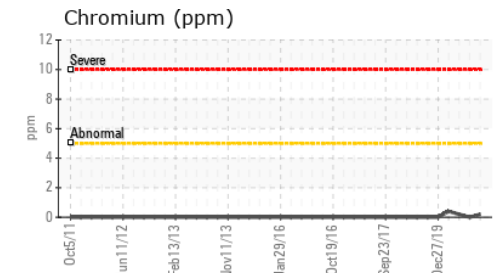
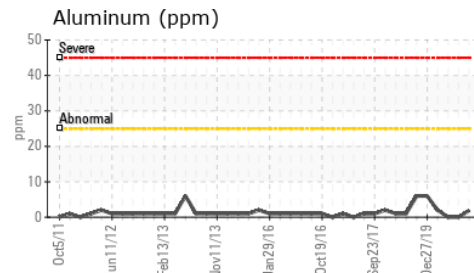
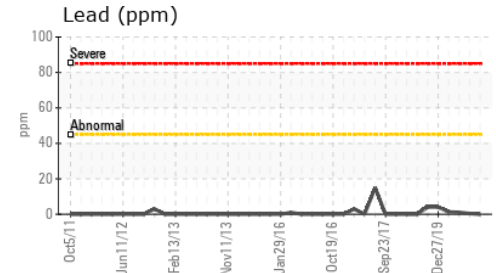
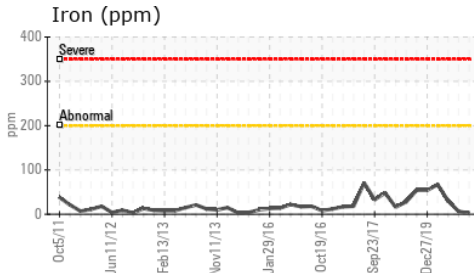


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	100	<b>84.6</b>	85.3	92.3

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.** : PCA0109210  
**Lab Number** : 06108328  
**Unique Number** : 10911825  
**Test Package** : MOB 1

**Received** : 04 Mar 2024  
**Tested** : 05 Mar 2024  
**Diagnosed** : 05 Mar 2024 - Wes Davis

**Kemp Quarries - Kemp Stone - Hulbert**  
 17801 Hwy 80  
 Hulbert, OK  
 US 74441

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)

hulbert@kempstone.com

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F: