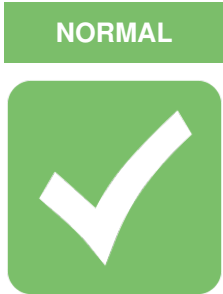
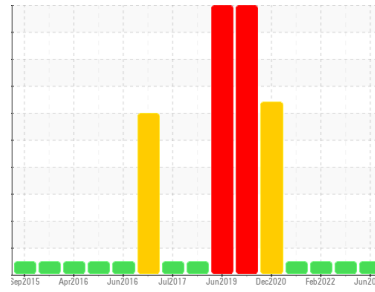


# OIL ANALYSIS REPORT

Area  
**KEMP QUARRIES / HULBERT**  
 Machine Id  
**WL085**  
 Component  
**Transmission (Manual)**  
 Fluid  
**MOBIL MOBILTRANS HD 30 (--- GAL)**

Sample Rating Trend



## 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>PCA0085973</b>	PCA0109239	PCA0048855
Sample Date	Client Info	<b>21 Jun 2024</b>	11 Nov 2023	11 Feb 2022
Machine Age	hrs	<b>28580</b>	28114	27117
Oil Age	hrs	<b>2000</b>	0	0
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 >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>17</b>	8	18
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm ASTM D5185m >7	<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>2</b>	1	0
Lead	ppm ASTM D5185m >45	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D5185m >225	<b>31</b>	14	49
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Antimony	ppm ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>3</b>	<1	8
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>5</b>	4	3
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	0
Magnesium	ppm ASTM D5185m	<b>66</b>	69	0
Calcium	ppm ASTM D5185m	<b>2945</b>	2868	3033
Phosphorus	ppm ASTM D5185m	<b>809</b>	963	930
Zinc	ppm ASTM D5185m	<b>1127</b>	1100	1196
Sulfur	ppm ASTM D5185m	<b>3514</b>	3583	3421

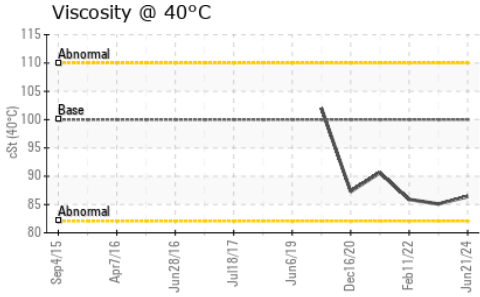
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	<b>6</b>	5	4
Sodium	ppm ASTM D5185m	<b>0</b>	2	0
Potassium	ppm ASTM D5185m >20	<b>2</b>	0	0

## VISUAL

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

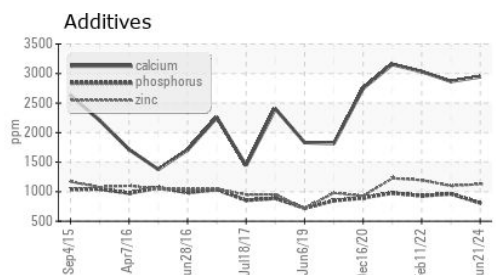
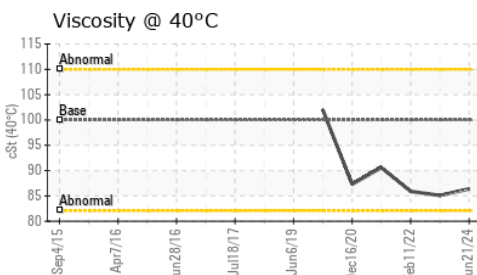
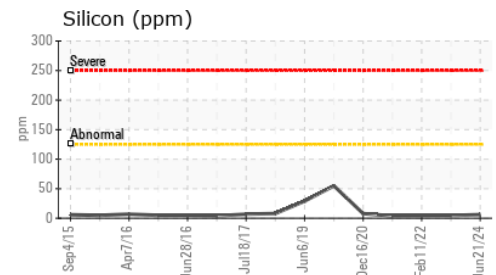
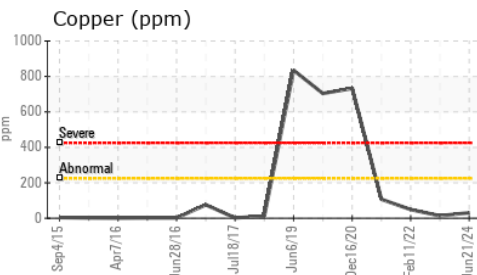
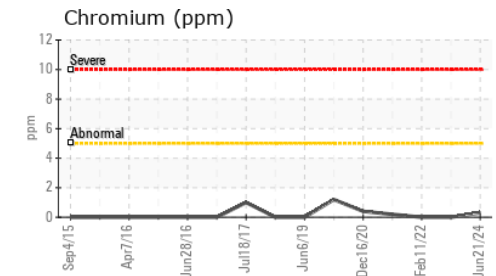
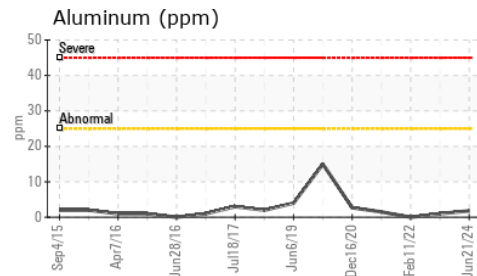
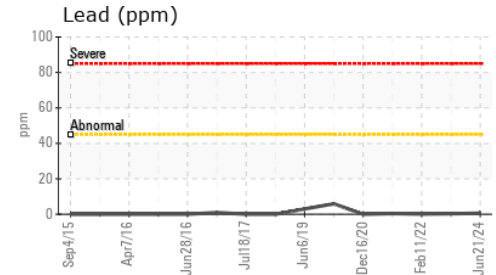
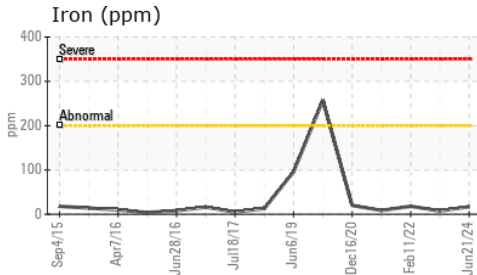


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	<b>86.4</b>	85.1	85.9

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.** : PCA0085973  
**Lab Number** : **06230672**  
**Unique Number** : 11114165  
**Test Package** : MOB 1

**Received** : 08 Jul 2024  
**Tested** : 09 Jul 2024  
**Diagnosed** : 09 Jul 2024 - Wes Davis

**Kemp Quarries - Kemp Stone - Hulbert**  
 17801 Hwy 80  
 Hulbert, OK  
 US 74441  
 Contact:  
 hulbert@kempstone.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)

T:  
F: