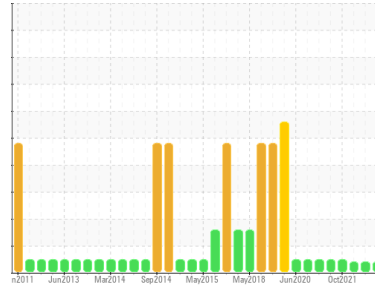


Area  
**KEMP QUARRIES / HULBERT**  
 Machine Id  
**OHT049**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
 Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0086129</b>	PCA0061813	PCA0048867
Sample Date	Client Info	<b>23 Sep 2023</b>	09 Dec 2022	12 Mar 2022
Machine Age	hrs	<b>8820</b>	7760	149677
Oil Age	hrs	<b>0</b>	0	149677
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Changed
Sample Status		<b>ATTENTION</b>	ATTENTION	ATTENTION

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >800	<b>115</b>	131	104
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m >5	<b>2</b>	2	2
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
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>4</b>	4	2
Copper	ppm	ASTM D5185m >75	<b>42</b>	47	38
Tin	ppm	ASTM D5185m >8	<b>2</b>	2	2
Antimony	ppm	ASTM D5185m >50	<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>12</b>	16	20
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>22</b>	27	31
Manganese	ppm	ASTM D5185m	<b>1</b>	1	0
Magnesium	ppm	ASTM D5185m	<b>353</b>	415	343
Calcium	ppm	ASTM D5185m	<b>1081</b>	1450	1603
Phosphorus	ppm	ASTM D5185m	<b>720</b>	860	830
Zinc	ppm	ASTM D5185m	<b>854</b>	976	1073
Sulfur	ppm	ASTM D5185m	<b>3801</b>	5553	3708

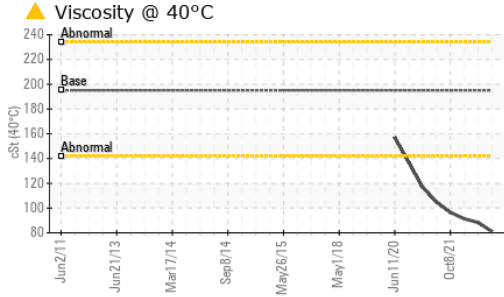
**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >400	<b>21</b>	24	25
Sodium	ppm	ASTM D5185m	<b>2</b>	3	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	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



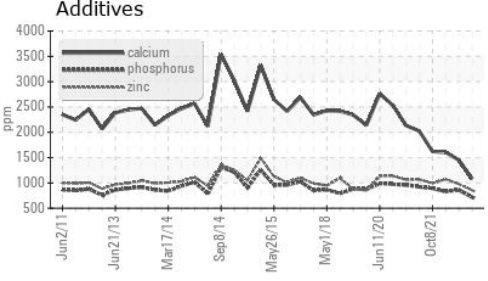
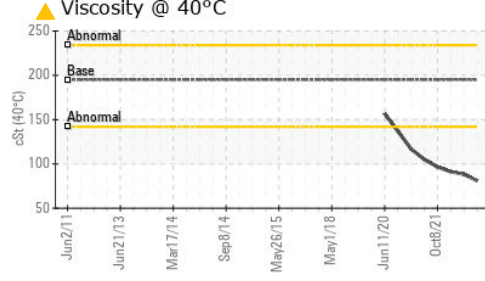
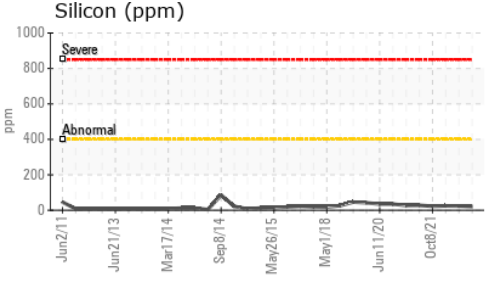
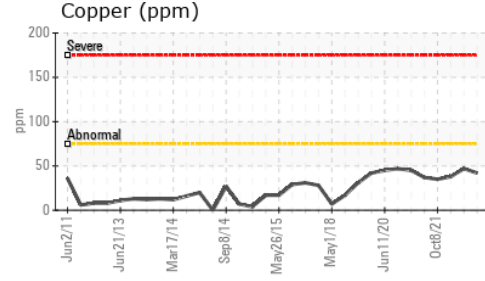
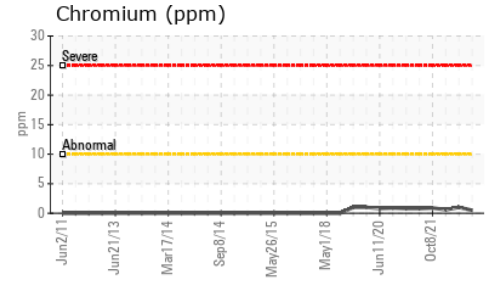
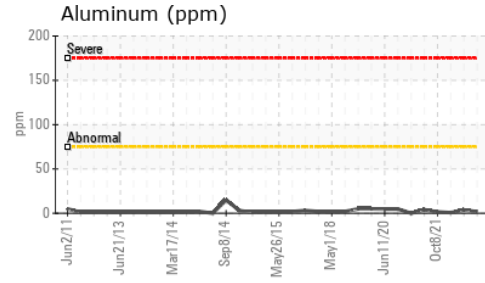
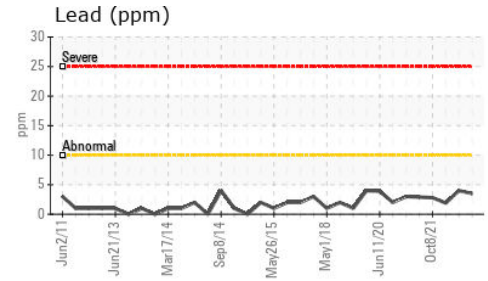
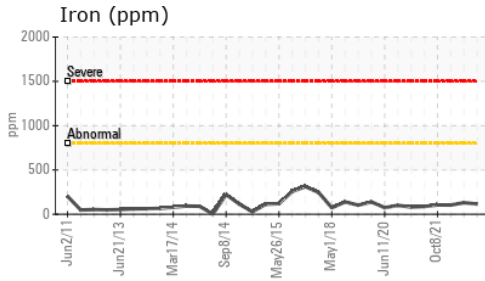
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	195 ▲ 81.0	▲ 88.3	▲ 91.3

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0086129  
**Lab Number** : 05969903  
**Unique Number** : 10681853  
**Test Package** : MOB 1

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

hulbert@kempstone.com

T:  
F: