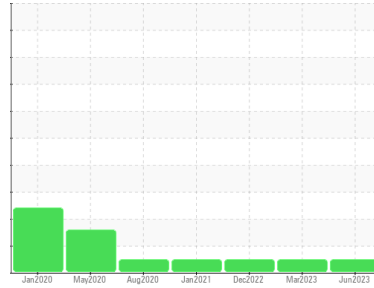


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / KEMP STONE - FAIRLAND**  
Machine Id  
**OHT108**  
Component  
**Rear Left Final Drive**  
Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

### Sample Rating Trend



NORMAL

✓

## DIAGNOSIS

**Recommendation**  
Resample at the next service interval to monitor. ( Customer Sample Comment: PM-2 sampled fluid )

**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	history 1	history 2
Sample Number	Client Info	<b>PCA0086372</b>	PCA0086035	PCA0062084
Sample Date	Client Info	<b>27 Jun 2023</b>	22 Mar 2023	23 Dec 2022
Machine Age	hrs	<b>22548</b>	22087	2161
Oil Age	hrs	<b>22548</b>	22087	21621
Oil Changed	Client Info	<b>N/A</b>	N/A	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >500	<b>29</b>	23	156
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	1
Nickel	ppm	ASTM D5185m	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	1	10
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	4
Copper	ppm	ASTM D5185m >50	<b>1</b>	<1	12
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	1
Antimony	ppm	ASTM D5185m	<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	history 1	history 2	
Boron	ppm	ASTM D5185m	<b>2</b>	2	30
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	<b>17</b>	21	29
Calcium	ppm	ASTM D5185m	<b>3279</b>	3067	2899
Phosphorus	ppm	ASTM D5185m	<b>1090</b>	1010	998
Zinc	ppm	ASTM D5185m	<b>1340</b>	1340	1136
Sulfur	ppm	ASTM D5185m	<b>7055</b>	6420	13604

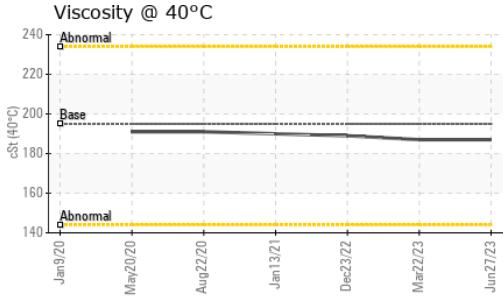
## CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >75	<b>18</b>	15	59
Sodium	ppm	ASTM D5185m	<b>2</b>	<1	3
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	6

## 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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

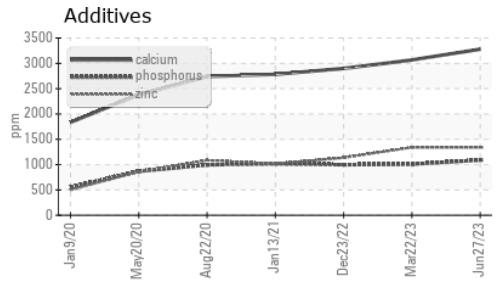
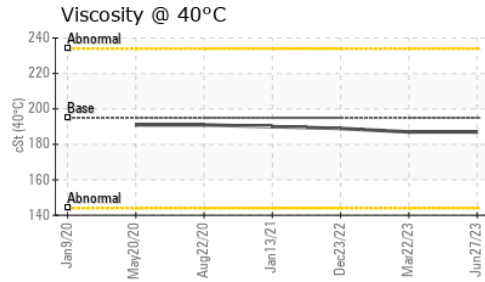
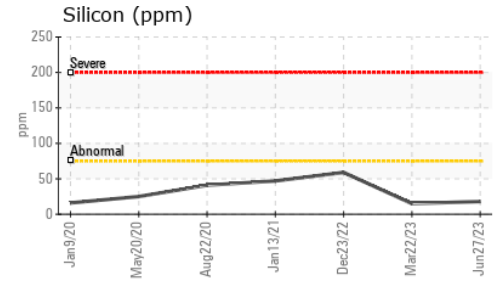
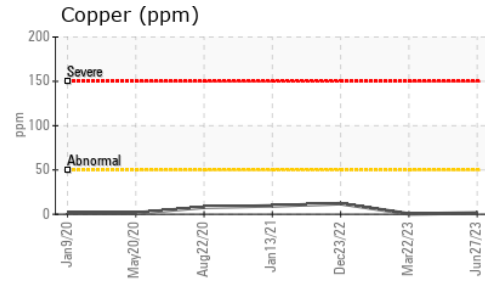
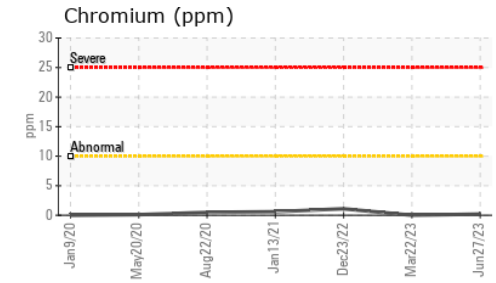
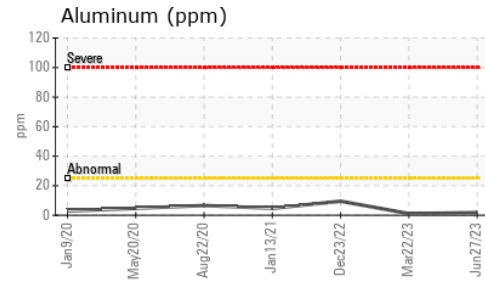
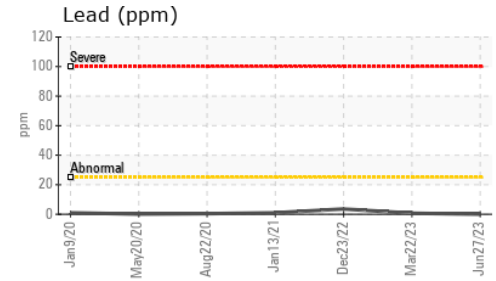
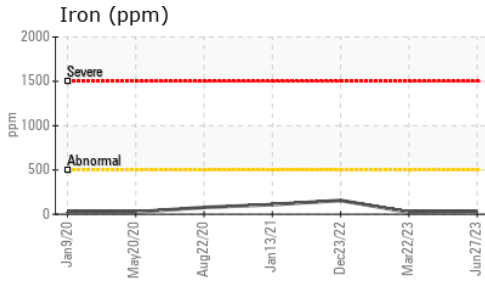


FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	195	<b>187</b>	187	189

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
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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.** : PCA0086372  
**Lab Number** : 05889813  
**Unique Number** : 10545623  
**Test Package** : MOB 1

**Kemp Quarries - Kemp Stone - Fairland**  
 18350 S 590 Rd  
 Fairland, OK  
 US 74343

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)

fairland@kempstone.com

T:

F: