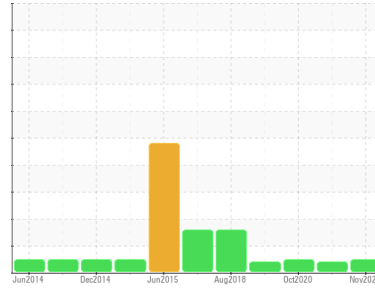


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**KEMP QUARRIES / RIVER VALLEY BACKBONE**  
 Machine Id  
**OHT073**

Component  
**Hydraulic System**

Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

**DIAGNOSIS**
**Recommendation**

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Transmission and hydraulic system share the same oil )

**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	history1	history2
Sample Number	Client Info	<b>PCA0084867</b>	PCA0019664	PCA0017389
Sample Date	Client Info	<b>02 Nov 2023</b>	27 Jan 2021	05 Oct 2020
Machine Age	hrs	<b>47581</b>	47422	47010
Oil Age	hrs	<b>300</b>	0	0
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Not Changd
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	<b>10</b>	36	33
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>2</b>	<1	3
Lead	ppm	ASTM D5185m >10	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m >75	<b>21</b>	6	7
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m	<b>---</b>	0	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 0	<b>&lt;1</b>	6	14
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	4	4
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>23</b>	77	110
Calcium	ppm	ASTM D5185m	<b>3324</b>	2832	2796
Phosphorus	ppm	ASTM D5185m	<b>1048</b>	1011	1111
Zinc	ppm	ASTM D5185m	<b>1248</b>	1165	1095
Sulfur	ppm	ASTM D5185m	<b>4098</b>	5559	7512

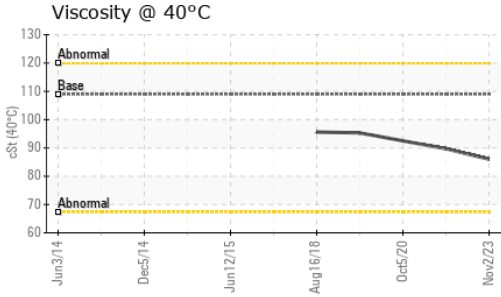
**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >20	<b>9</b>	11	12
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>1</b>	1	6

**VISUAL**

method	limit/base	current	history1	history2	
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>	▲ MODER	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 >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

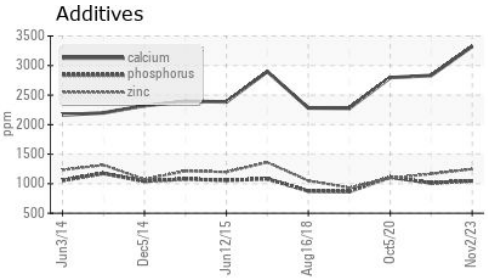
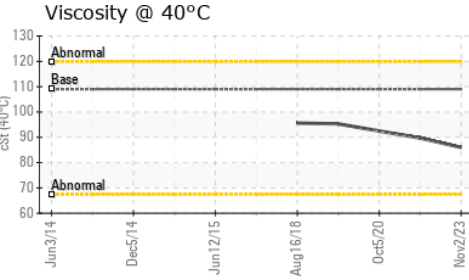
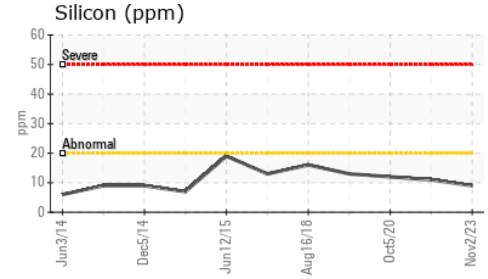
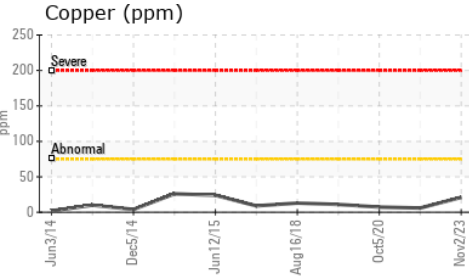
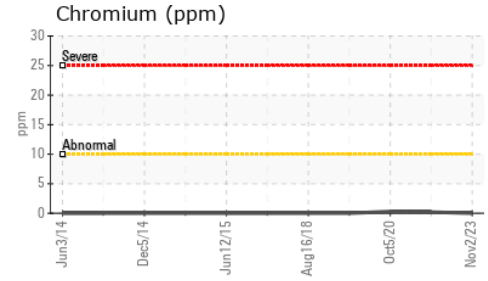
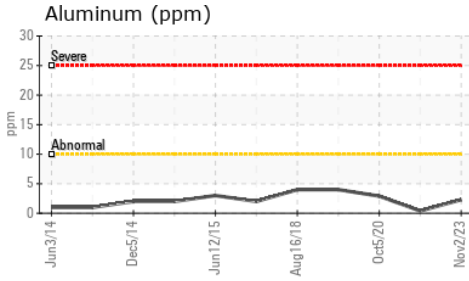
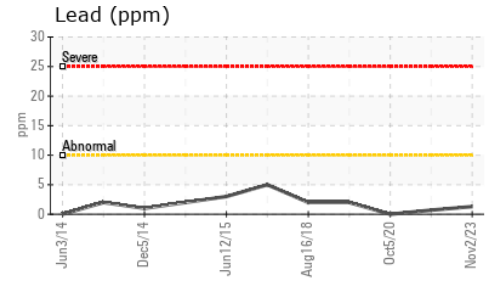
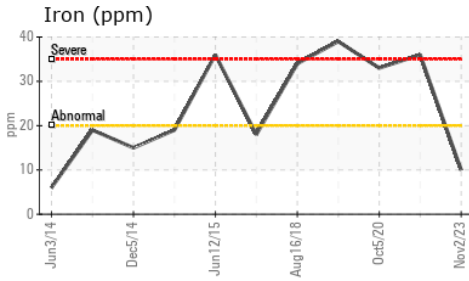


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	109	<b>86.0</b>	89.7	92.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

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.** : PCA0084867  
**Lab Number** : 06002555  
**Unique Number** : 10736317  
**Test Package** : MOB 1

**Kemp Quarries - River Valley - Backbone**  
 5600 S Hwy 253  
 Huntington, AR  
 US 72940

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)

backbone@rivervalleyquarries.com

T:  
F: