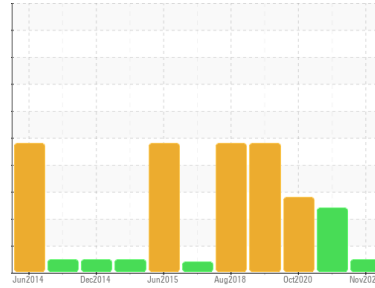


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**KEMP QUARRIES / RIVER VALLEY BACKBONE**  
 Machine Id  
**OHT073**  
 Component  
**Rear Differential**  
 Fluid  
**MOBIL MOBILTRANS HD 50 (--- 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 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>PCA0084868</b>	PCA0019663	PCA0017388
Sample Date	Client Info		<b>02 Nov 2023</b>	27 Jan 2021	05 Oct 2020
Machine Age	hrs	Client Info	<b>47581</b>	47422	47010
Oil Age	hrs	Client Info	<b>1200</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>216</b>	288	238
Chromium	ppm	ASTM D5185m >3	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m >3	<b>1</b>	1	<1
Titanium	ppm	ASTM D5185m >2	<b>1</b>	2	2
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	3
Aluminum	ppm	ASTM D5185m >30	<b>10</b>	▲ 8	▲ 12
Lead	ppm	ASTM D5185m >13	<b>1</b>	2	2
Copper	ppm	ASTM D5185m >103	<b>18</b>	18	16
Tin	ppm	ASTM D5185m >5	<b>1</b>	<1	1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>3</b>	4	15
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	4	3
Manganese	ppm	ASTM D5185m	<b>2</b>	3	2
Magnesium	ppm	ASTM D5185m	<b>30</b>	28	28
Calcium	ppm	ASTM D5185m	<b>2896</b>	2999	3016
Phosphorus	ppm	ASTM D5185m	<b>1099</b>	1026	991
Zinc	ppm	ASTM D5185m	<b>1310</b>	1205	1247
Sulfur	ppm	ASTM D5185m	<b>11815</b>	10041	9836

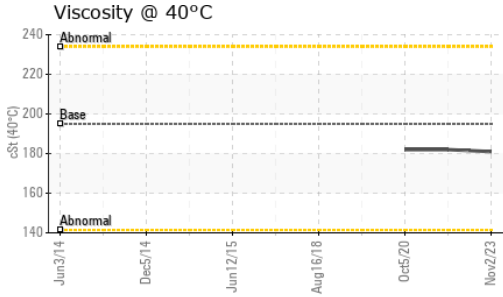
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	<b>77</b>	▲ 87	▲ 88
Sodium	ppm	ASTM D5185m	<b>2</b>	0	4
Potassium	ppm	ASTM D5185m >20	<b>4</b>	4	4

**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	▲ MODER
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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

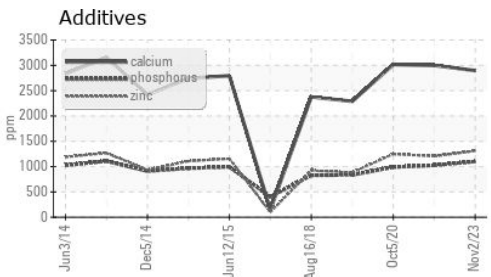
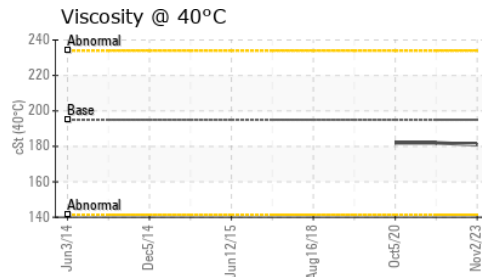
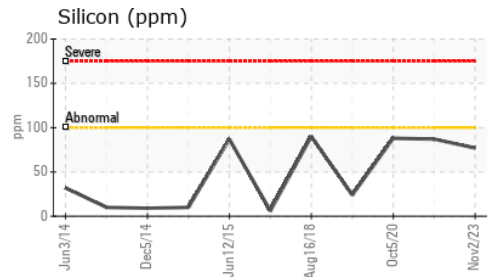
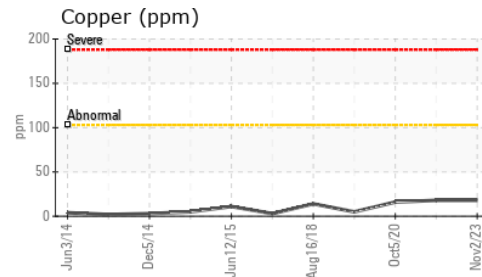
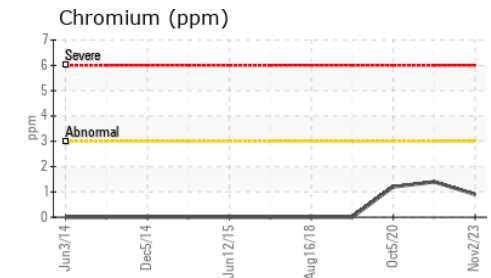
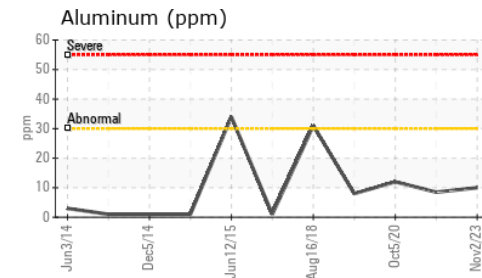
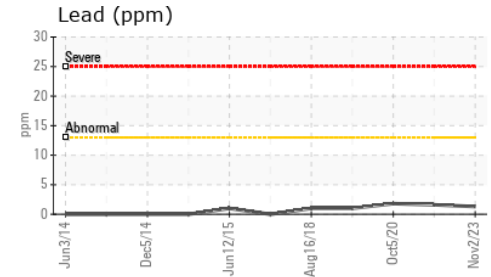
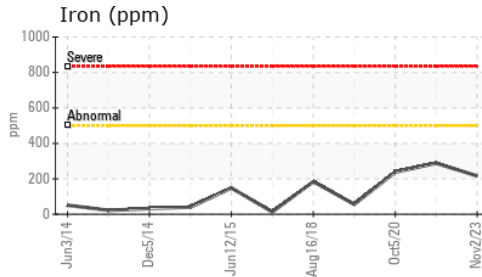
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	181	182

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.** : PCA0084868  
**Lab Number** : 06002503  
**Unique Number** : 10736265  
**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: