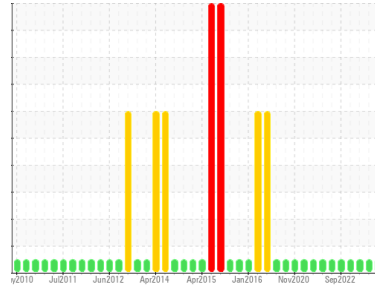


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / RIVER VALLEY ARKOMA**  
Machine Id  
**WL049**  
Component  
**Rear Left Final Drive**  
Fluid  
**MOBIL MOBILUBE HD PLUS 80W90 (--- GAL)**

Sample Rating Trend



**NORMAL**

## 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>PCA0034677</b>	PCA0070353	PCA0070380
Sample Date	Client Info	<b>04 Aug 2023</b>	23 Mar 2023	02 Dec 2022
Machine Age	hrs Client Info	<b>4581</b>	4603	1753
Oil Age	hrs Client Info	<b>1000</b>	4603	1753
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>800	<b>344</b>	320	359
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	<1
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium ppm ASTM D5185m	>15	<b>0</b>	0	<1
Silver ppm ASTM D5185m	>2	<b>0</b>	0	1
Aluminum ppm ASTM D5185m	>75	<b>3</b>	3	4
Lead ppm ASTM D5185m	>10	<b>7</b>	8	7
Copper ppm ASTM D5185m	>75	<b>83</b>	77	77
Tin ppm ASTM D5185m	>8	<b>5</b>	5	5
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium ppm ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>109</b>	97	114
Barium ppm ASTM D5185m		<b>0</b>	0	0
Molybdenum ppm ASTM D5185m		<b>0</b>	0	<1
Manganese ppm ASTM D5185m		<b>4</b>	4	4
Magnesium ppm ASTM D5185m		<b>6</b>	8	6
Calcium ppm ASTM D5185m		<b>175</b>	32	74
Phosphorus ppm ASTM D5185m		<b>1059</b>	948	1026
Zinc ppm ASTM D5185m		<b>88</b>	42	52
Sulfur ppm ASTM D5185m		<b>25056</b>	24349	25299

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>400	<b>23</b>	17	17
Sodium ppm ASTM D5185m		<b>1</b>	0	0
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	0	1

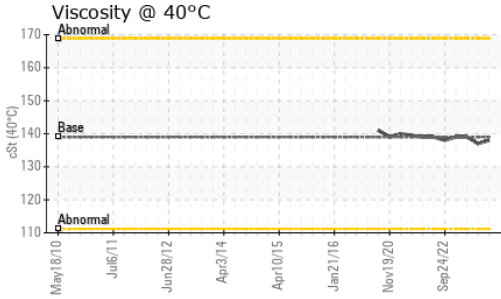
## VISUAL

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

## FLUID PROPERTIES

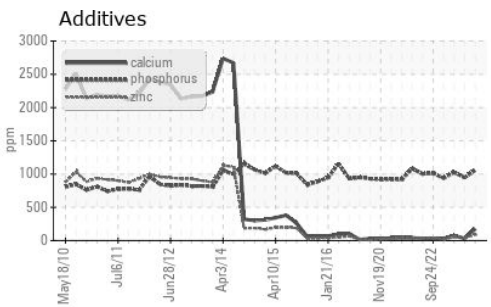
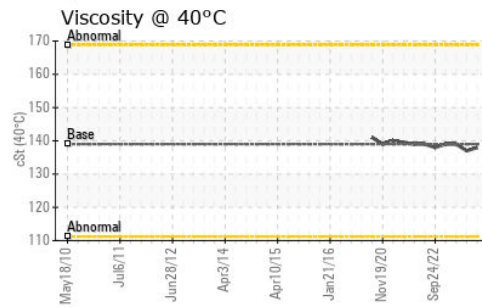
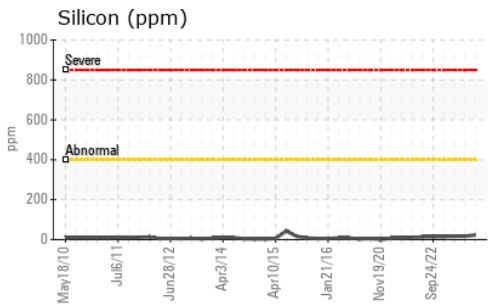
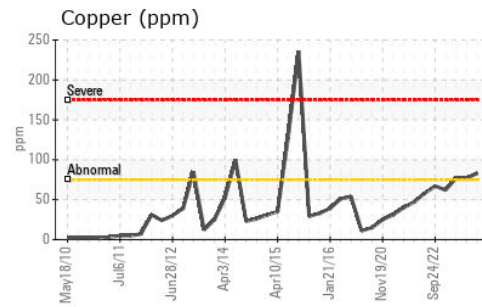
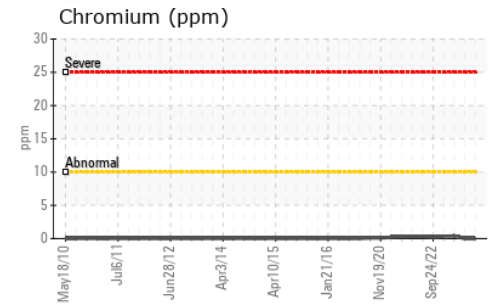
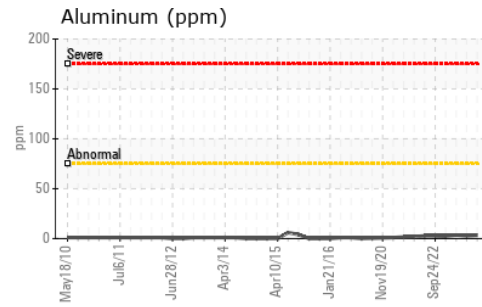
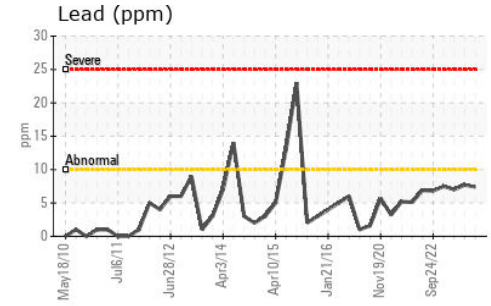
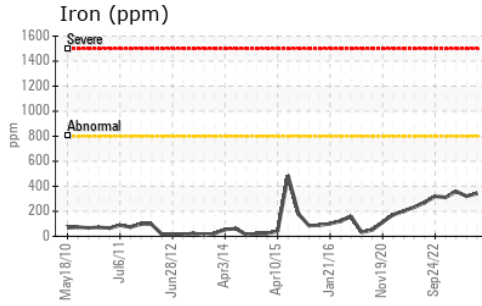
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	139	<b>138</b>	137	139

# OIL ANALYSIS REPORT



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.** : PCA0034677  
**Lab Number** : 05920379  
**Unique Number** : 10592293  
**Test Package** : MOB 1

**Kemp Quarries - River Valley - Arkoma**  
 12971 HWY 9a  
 Shawnee, OK  
 US 74804

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)

arkomashop@kempquarries.net

T:  
F: