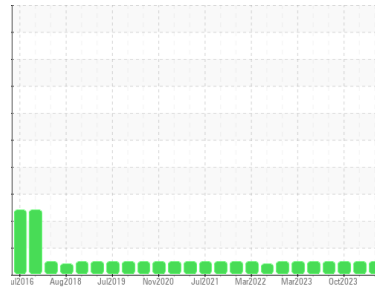


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY ARKOMA
 Machine Id
WL108
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 68 (--- 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	PCA0086974	PCA0084375	PCA0084220
Sample Date	Client Info	15 Apr 2024	30 Jan 2024	29 Oct 2023
Machine Age	hrs Client Info	48071	47663	47123
Oil Age	hrs Client Info	47123	47663	45035
Oil Changed	Client Info	Not Chngd	Not Chngd	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	3	5	0
Chromium	ppm ASTM D5185m >10	<1	2	<1
Nickel	ppm ASTM D5185m >10	0	1	<1
Titanium	ppm ASTM D5185m	0	<1	0
Silver	ppm ASTM D5185m	0	<1	0
Aluminum	ppm ASTM D5185m >10	0	3	<1
Lead	ppm ASTM D5185m >10	0	1	0
Copper	ppm ASTM D5185m >75	1	3	<1
Tin	ppm ASTM D5185m >10	0	1	0
Vanadium	ppm ASTM D5185m	0	<1	0
Cadmium	ppm ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 5	0	0	0
Barium	ppm ASTM D5185m 5	0	0	0
Molybdenum	ppm ASTM D5185m 5	3	4	0
Manganese	ppm ASTM D5185m	0	1	0
Magnesium	ppm ASTM D5185m 25	19	21	19
Calcium	ppm ASTM D5185m 200	105	97	87
Phosphorus	ppm ASTM D5185m 300	365	365	388
Zinc	ppm ASTM D5185m 370	465	487	513
Sulfur	ppm ASTM D5185m 2500	1133	824	980

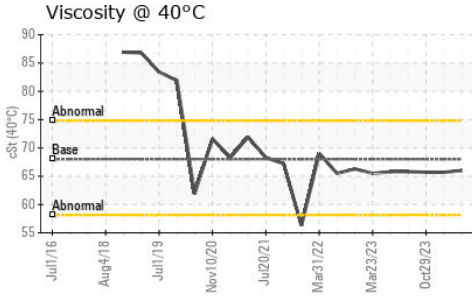
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	3	4	2
Sodium	ppm ASTM D5185m	<1	0	<1
Potassium	ppm ASTM D5185m >20	0	<1	<1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT



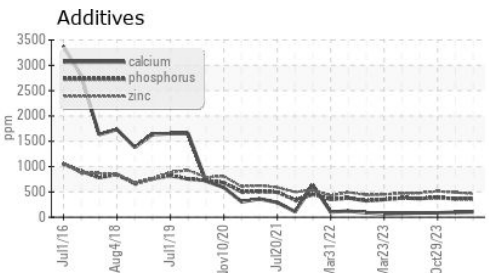
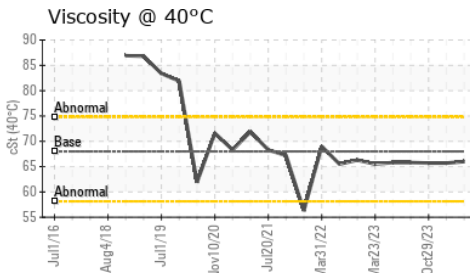
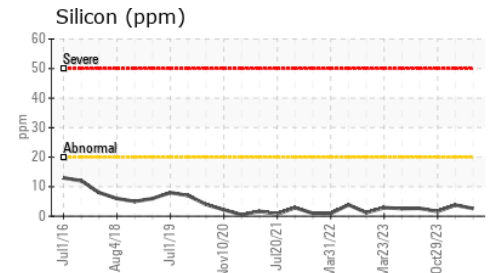
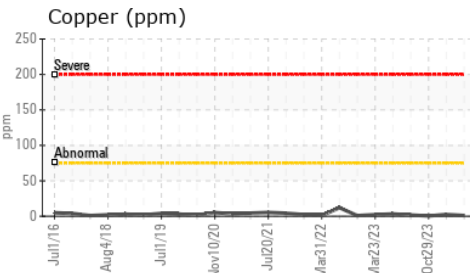
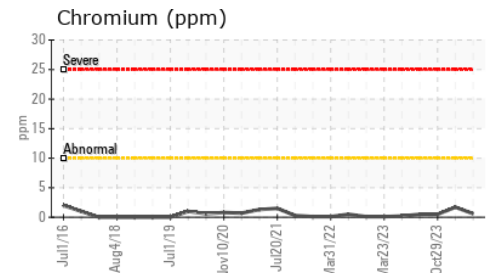
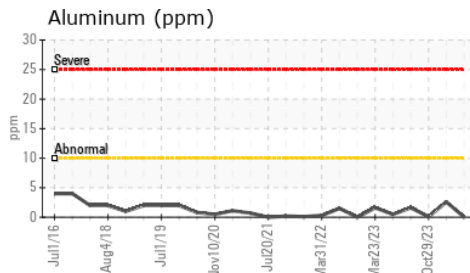
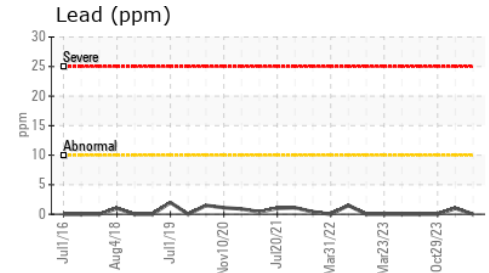
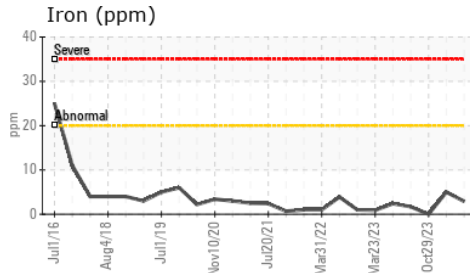
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	68	66.0	65.7	65.7

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. : PCA0086974
Lab Number : 06155437
Unique Number : 10990860
Test Package : MOB 1

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Wes Davis

Kemp Quarries - River Valley - Arkoma
 12971 HWY 9a
 Shawnee, OK
 US 74804
 Contact:
 arkomashop@kempquarries.net

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)