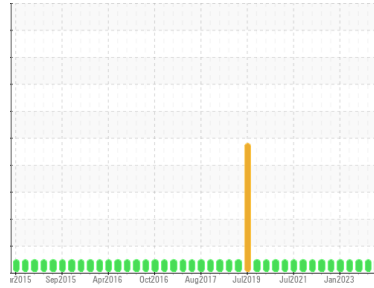


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
KEMP QUARRIES / RIVER VALLEY ARKOMA
 Machine Id
WL062
 Component
Transmission (Manual)
 Fluid
TDTO FLUID SAE 30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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	history1	history2
Sample Number	Client Info	PCA0084424	PCA0084030	PCA0084241
Sample Date	Client Info	22 Feb 2024	23 Oct 2023	04 Aug 2023
Machine Age	hrs	26382	25859	25405
Oil Age	hrs	24267	24267	1500
Oil Changed	Client Info	Changed	Not Changd	Not Changd
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 >200	7	1	3
Chromium	ppm ASTM D5185m >5	0	0	0
Nickel	ppm ASTM D5185m >5	0	<1	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m >7	0	0	0
Aluminum	ppm ASTM D5185m >25	1	1	1
Lead	ppm ASTM D5185m >45	0	0	<1
Copper	ppm ASTM D5185m >225	13	1	8
Tin	ppm ASTM D5185m >10	<1	<1	<1
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 37	6	4	3
Barium	ppm ASTM D5185m 7	0	0	0
Molybdenum	ppm ASTM D5185m 5	2	1	2
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m 40	22	25	20
Calcium	ppm ASTM D5185m 2650	3010	3259	3416
Phosphorus	ppm ASTM D5185m 1050	988	1043	980
Zinc	ppm ASTM D5185m 1075	1221	1238	1209
Sulfur	ppm ASTM D5185m 5750	4041	4011	4419

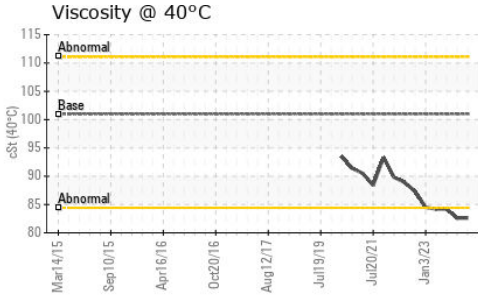
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	5	5	4
Sodium	ppm ASTM D5185m	2	<1	1
Potassium	ppm ASTM D5185m >20	0	<1	0

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

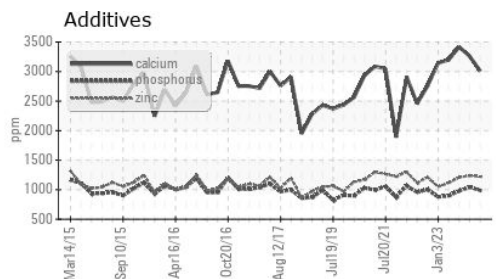
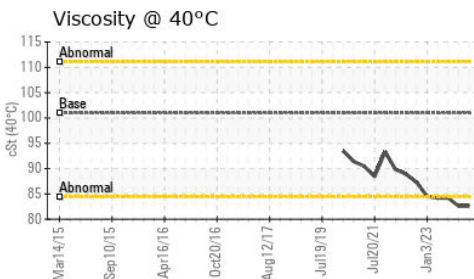
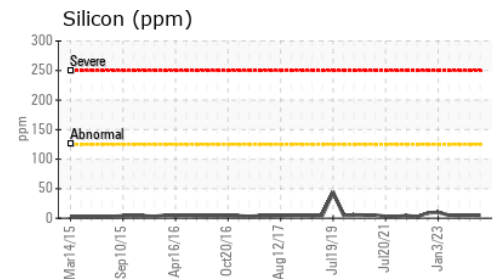
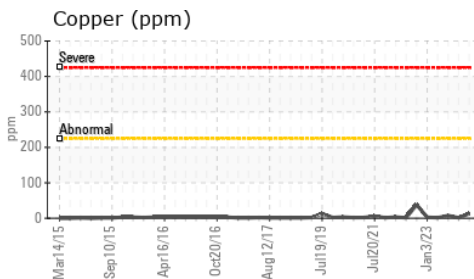
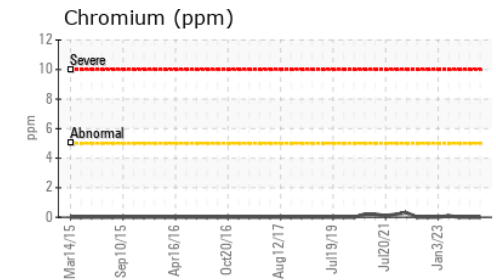
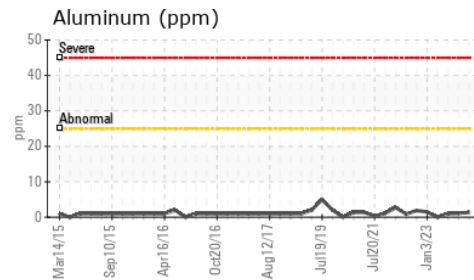
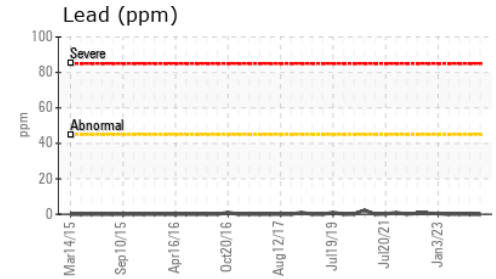
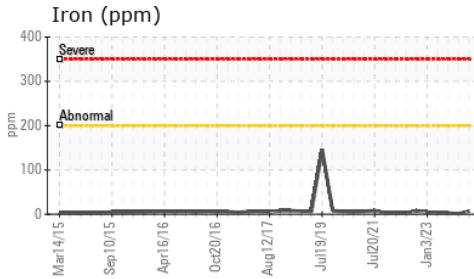


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	101	82.6	82.6	84.2

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : PCA0084424
Lab Number : 06106828
Unique Number : 10910325
Test Package : MOB 1

Received : 01 Mar 2024
Tested : 04 Mar 2024
Diagnosed : 04 Mar 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)

T:
F: