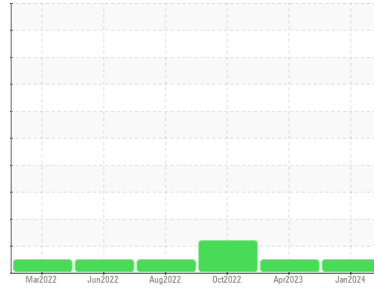


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
WL147
Component
Front Right Final Drive
Fluid
TDTO FLUID SAE 30 (--- 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	PCA0069950	PCA0085821	PCA0070030
Sample Date	Client Info	30 Jan 2024	06 Apr 2023	10 Oct 2022
Machine Age	hrs	29627	28770	27854
Oil Age	hrs	1200	345	990
Oil Changed	Client Info	Changed	Not Changd	Not Changd
Sample Status		NORMAL	NORMAL	ATTENTION

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >800	8	9	13
Chromium	ppm ASTM D5185m >10	<1	0	0
Nickel	ppm ASTM D5185m >5	0	0	0
Titanium	ppm ASTM D5185m >15	0	0	0
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >75	2	<1	1
Lead	ppm ASTM D5185m >10	0	0	0
Copper	ppm ASTM D5185m >75	1	<1	2
Tin	ppm ASTM D5185m >8	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 37	<1	0	2
Barium	ppm ASTM D5185m 7	5	0	0
Molybdenum	ppm ASTM D5185m 5	5	2	1
Manganese	ppm ASTM D5185m	0	<1	<1
Magnesium	ppm ASTM D5185m 40	86	17	15
Calcium	ppm ASTM D5185m 2650	200	439	▲ 760
Phosphorus	ppm ASTM D5185m 1050	390	427	▲ 465
Zinc	ppm ASTM D5185m 1075	500	557	▲ 590
Sulfur	ppm ASTM D5185m 5750	1070	1632	2821

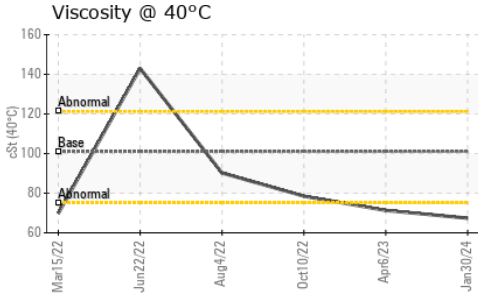
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	<1	2	4
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	1	0	<1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	MODER	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 >0.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

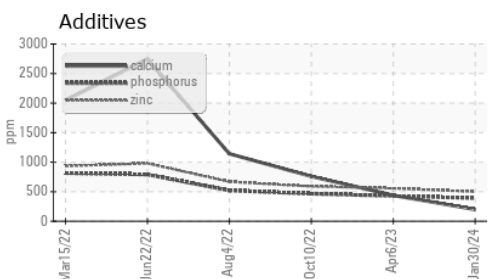
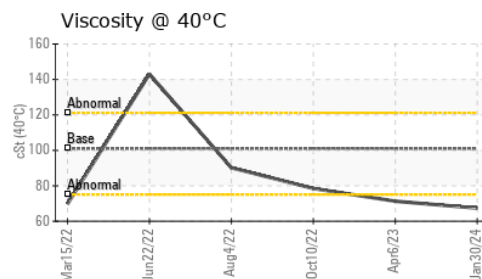
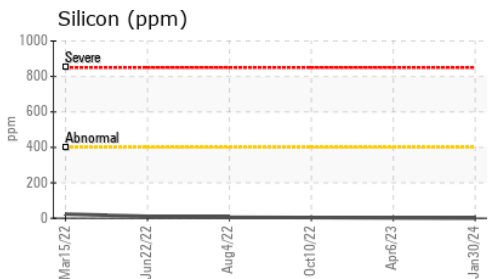
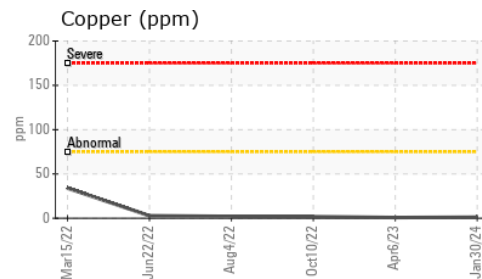
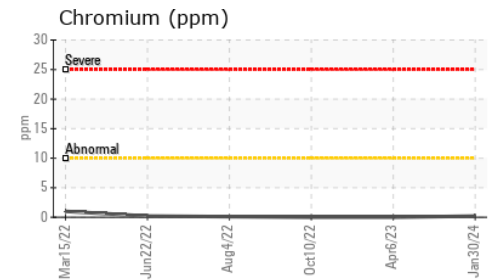
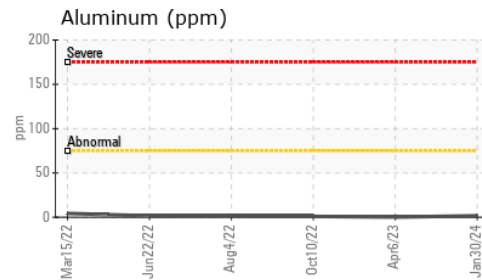
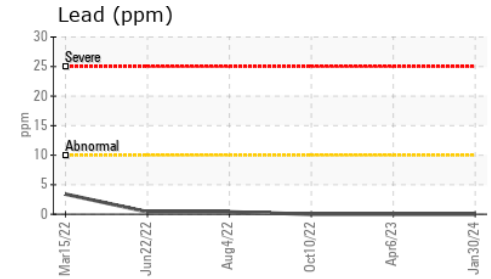
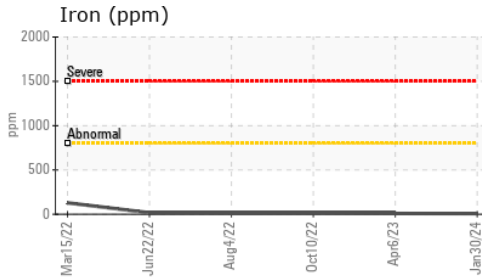


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	101	67.4	71.3	78.5

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. : PCA0069950
Lab Number : 06082070
Unique Number : 10869515
Test Package : MOB 1

Received : 06 Feb 2024
Tested : 07 Feb 2024
Diagnosed : 08 Feb 2024 - Jonathan Hester

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: