

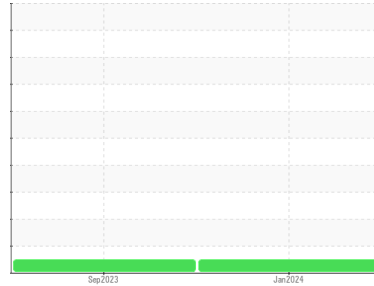
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
OHT124
Component
Differential
Fluid
TDTO FLUID SAE 50 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 50. Please confirm.

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		PCA0069913	PCA0084791	---
Sample Date	Client Info		30 Jan 2024	18 Sep 2023	---
Machine Age	hrs	Client Info	30229	30012	---
Oil Age	hrs	Client Info	0	325	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	3	152	---
Chromium	ppm	ASTM D5185m >3	<1	<1	---
Nickel	ppm	ASTM D5185m >3	0	<1	---
Titanium	ppm	ASTM D5185m >2	0	2	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >30	2	8	---
Lead	ppm	ASTM D5185m >13	0	2	---
Copper	ppm	ASTM D5185m >103	0	10	---
Tin	ppm	ASTM D5185m >5	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 37	0	0	---
Barium	ppm	ASTM D5185m 7	5	0	---
Molybdenum	ppm	ASTM D5185m 5	0	<1	---
Manganese	ppm	ASTM D5185m	0	2	---
Magnesium	ppm	ASTM D5185m 40	13	14	---
Calcium	ppm	ASTM D5185m 2650	3396	3539	---
Phosphorus	ppm	ASTM D5185m 1050	833	911	---
Zinc	ppm	ASTM D5185m 1075	1085	1145	---
Sulfur	ppm	ASTM D5185m 5750	4624	4607	---

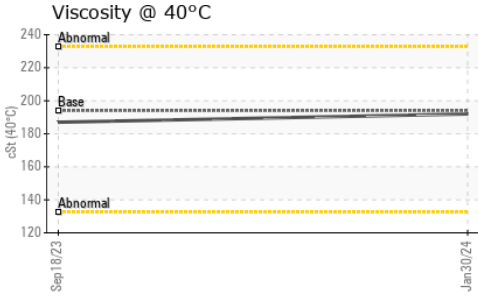
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	13	77	---
Sodium	ppm	ASTM D5185m	0	1	---
Potassium	ppm	ASTM D5185m >20	2	0	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

OIL ANALYSIS REPORT

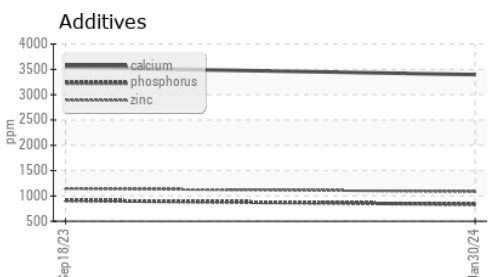
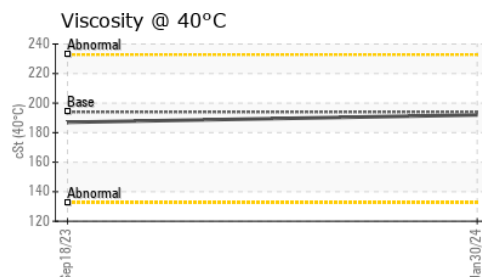
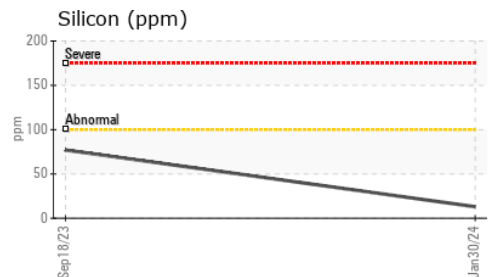
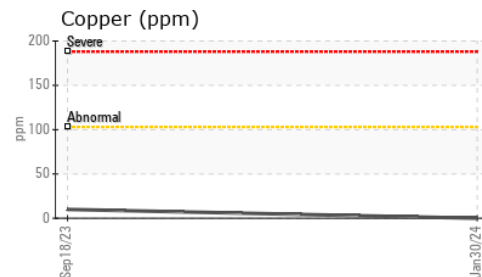
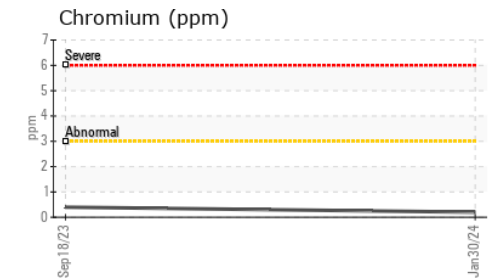
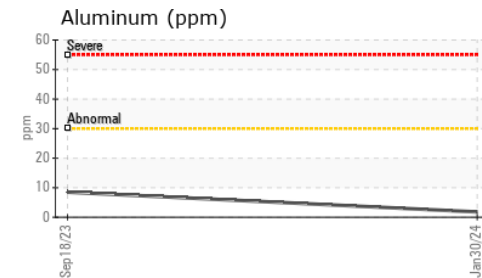
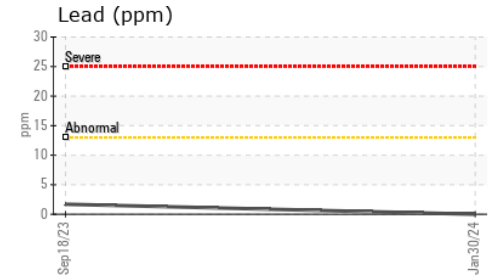
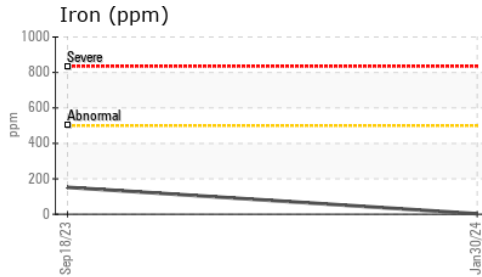


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	194	192	187	---

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. : PCA0069913
Lab Number : 06082067
Unique Number : 10869512
Test Package : MOB 1

Received : 06 Feb 2024
Tested : 07 Feb 2024
Diagnosed : 07 Feb 2024 - Wes Davis

Kemp Quarries - River Valley - Backbone
 5600 S Hwy 253
 Huntington, AR
 US 72940

Contact: backbone@rivervalleyquarries.com

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: