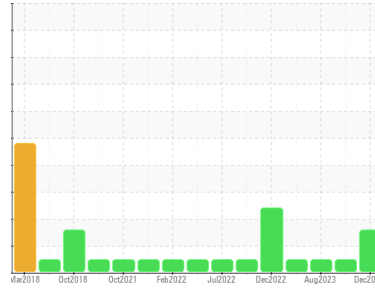


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
 Machine Id
OHT087
 Component
Transmission (Manual)
 Fluid
MOBIL MOBILTRANS HD 30 (--- GAL)

DIAGNOSIS

Recommendation

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present 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	PCA0069908	PCA0084884	PCA0084876
Sample Date	Client Info	28 Dec 2023	13 Oct 2023	14 Aug 2023
Machine Age	hrs	33775	33094	33094
Oil Age	hrs	1200	600	600
Oil Changed	Client Info	Changed	Not Changd	Not Changd
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	4	<1	5
Chromium ppm	ASTM D5185m >5	<1	<1	0
Nickel ppm	ASTM D5185m >5	<1	0	<1
Titanium ppm	ASTM D5185m	<1	<1	0
Silver ppm	ASTM D5185m >7	0	0	0
Aluminum ppm	ASTM D5185m >25	2	2	2
Lead ppm	ASTM D5185m >45	<1	<1	0
Copper ppm	ASTM D5185m >225	3	3	4
Tin ppm	ASTM D5185m >10	<1	0	0
Vanadium ppm	ASTM D5185m	0	0	0
Cadmium ppm	ASTM D5185m	<1	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<1	0	2
Barium ppm	ASTM D5185m	0	9	2
Molybdenum ppm	ASTM D5185m	1	<1	<1
Manganese ppm	ASTM D5185m	<1	0	0
Magnesium ppm	ASTM D5185m	13	13	14
Calcium ppm	ASTM D5185m	3286	3213	3302
Phosphorus ppm	ASTM D5185m	936	902	916
Zinc ppm	ASTM D5185m	1108	1109	1104
Sulfur ppm	ASTM D5185m	4412	4052	3595

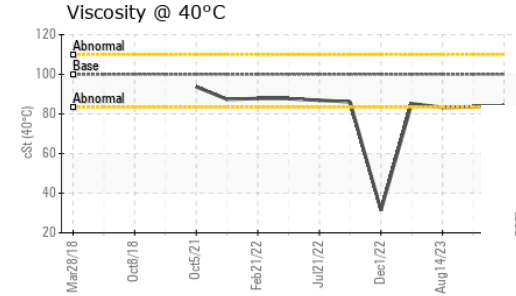
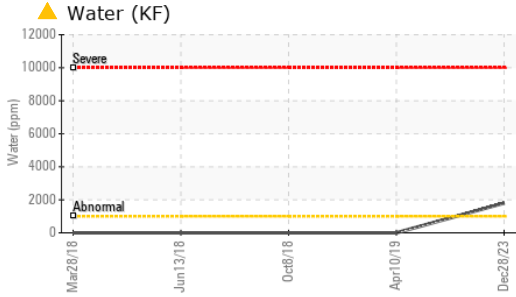
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >125	7	8	7
Sodium ppm	ASTM D5185m	0	0	0
Potassium ppm	ASTM D5185m >20	2	2	<1
Water %	ASTM D6304 >0.1	▲ 0.180	---	---
ppm Water	ASTM D6304 >1000	▲ 1800	---	---

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	0.2%	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

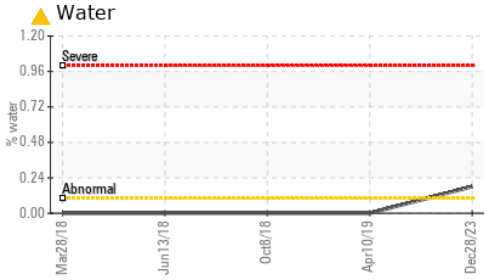
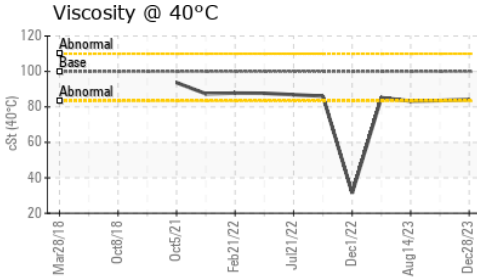
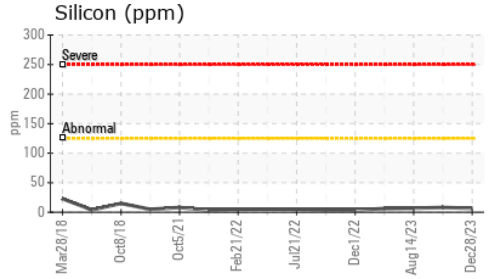
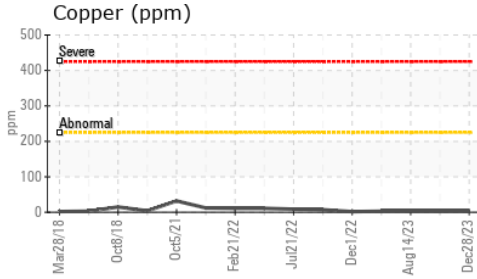
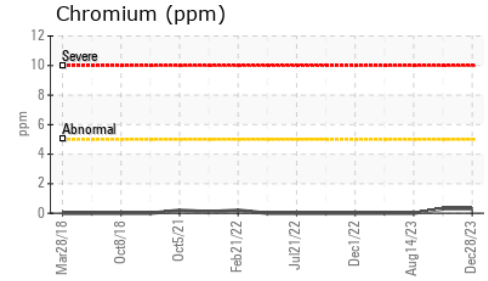
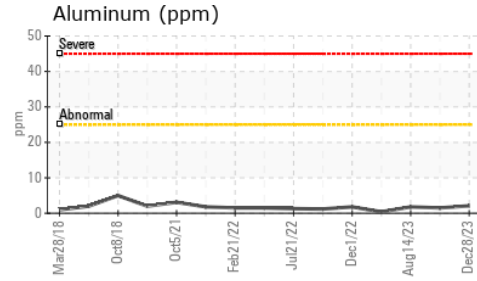
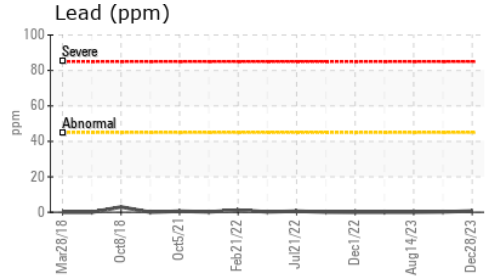
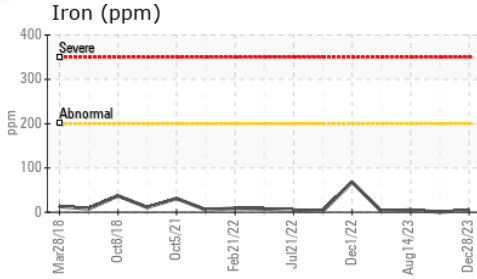
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 100	84.2	83.6	83.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0069908 **Received** : 08 Jan 2024
Lab Number : **06054444** **Diagnosed** : 10 Jan 2024
Unique Number : 10820393 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: KF)

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: