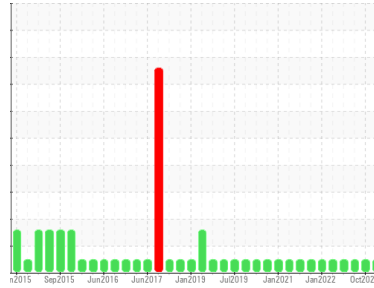


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
WL088
Component
Transmission (Manual)
Fluid
MOBIL MOBILTRANS HD 30 (--- GAL)

Sample Rating Trend



NORMAL

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Hour meter 6716)

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	PCA0084830	PCA0084894	PCA0085863
Sample Date	Client Info	10 Nov 2023	02 Oct 2023	09 Aug 2023
Machine Age	hrs	6716	36443	6146
Oil Age	hrs	900	600	300
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
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	14	15	19
Chromium	ppm ASTM D5185m >5	<1	0	<1
Nickel	ppm ASTM D5185m >5	<1	<1	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m >7	0	0	0
Aluminum	ppm ASTM D5185m >25	2	0	4
Lead	ppm ASTM D5185m >45	<1	1	1
Copper	ppm ASTM D5185m >225	7	8	7
Tin	ppm ASTM D5185m >10	0	<1	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	1	2	1
Barium	ppm ASTM D5185m	0	1	0
Molybdenum	ppm ASTM D5185m	2	2	2
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m	24	15	17
Calcium	ppm ASTM D5185m	2952	2696	2742
Phosphorus	ppm ASTM D5185m	959	885	901
Zinc	ppm ASTM D5185m	1154	1097	1112
Sulfur	ppm ASTM D5185m	4011	3965	3737

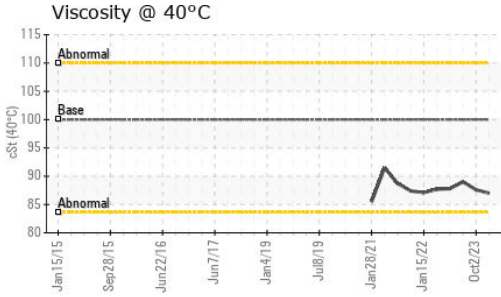
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	9	8	11
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	2	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

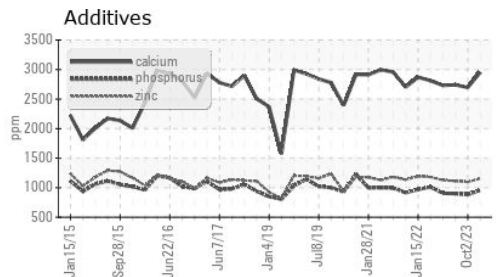
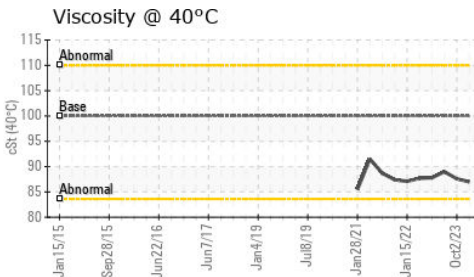
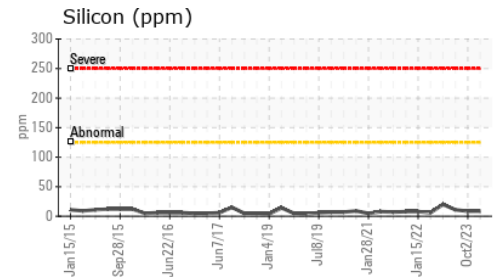
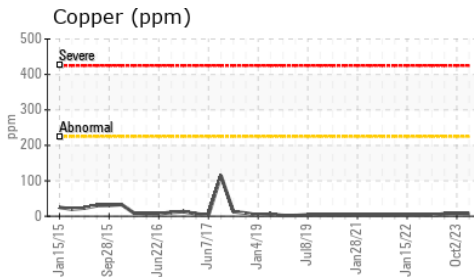
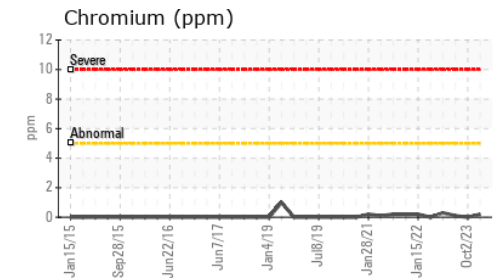
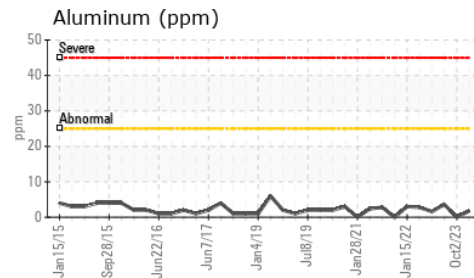
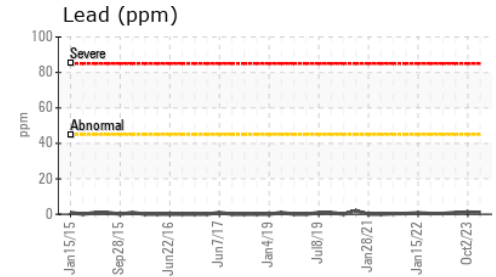
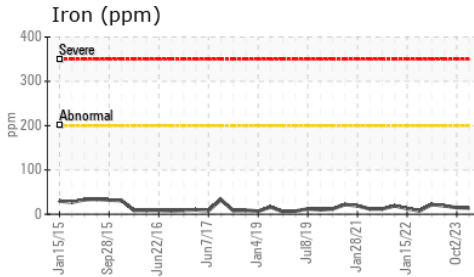
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	87.0	87.6	89.0

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. : PCA0084830
Lab Number : **06014678**
Unique Number : 10753822
Test Package : MOB 1

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: