

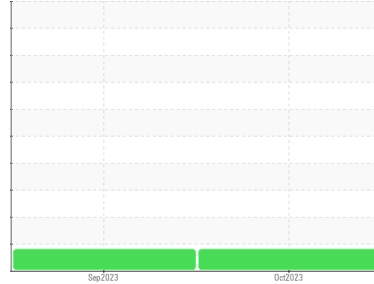
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
OHT124
Component
Transmission
Fluid
MOBIL MOBILTRANS HD 30 (--- GAL)



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

▲ Wear

The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated.

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		PCA0084850	PCA0084790	---
Sample Date	Client Info		25 Oct 2023	18 Sep 2023	---
Machine Age	hrs	Client Info	30229	30012	---
Oil Age	hrs	Client Info	600	325	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	33	32
Chromium	ppm	ASTM D5185m	>10	0	0
Nickel	ppm	ASTM D5185m		0	0
Titanium	ppm	ASTM D5185m		<1	<1
Silver	ppm	ASTM D5185m		13	12
Aluminum	ppm	ASTM D5185m	>50	2	4
Lead	ppm	ASTM D5185m	>50	7	7
Copper	ppm	ASTM D5185m	>200	▲ 435	▲ 452
Tin	ppm	ASTM D5185m	>10	<1	2
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	2
Barium	ppm	ASTM D5185m		0	0
Molybdenum	ppm	ASTM D5185m		4	4
Manganese	ppm	ASTM D5185m		<1	<1
Magnesium	ppm	ASTM D5185m		17	20
Calcium	ppm	ASTM D5185m		2485	2689
Phosphorus	ppm	ASTM D5185m		792	930
Zinc	ppm	ASTM D5185m		982	1026
Sulfur	ppm	ASTM D5185m		3560	3987

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	13
Sodium	ppm	ASTM D5185m		3	2
Potassium	ppm	ASTM D5185m	>20	0	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	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	90.3	88.7

OIL ANALYSIS REPORT

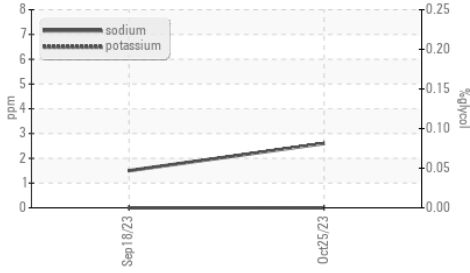
▲ Non-ferrous Metals



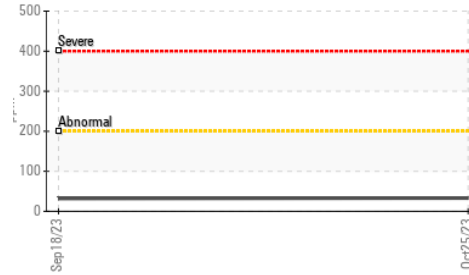
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

Glycol Contamination



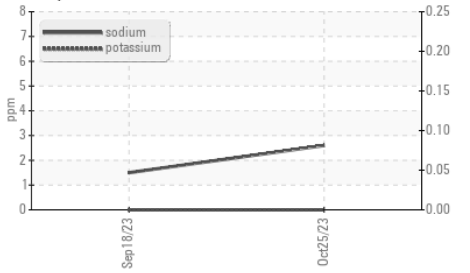
Iron (ppm)



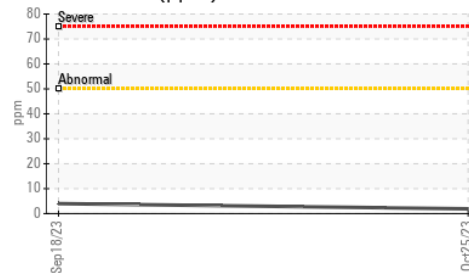
Lead (ppm)



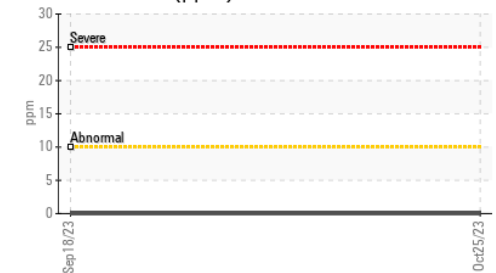
Glycol Contamination



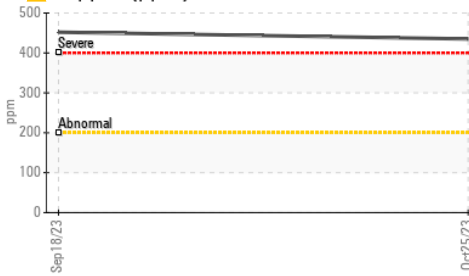
Aluminum (ppm)



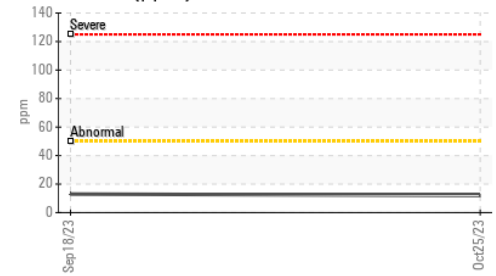
Chromium (ppm)



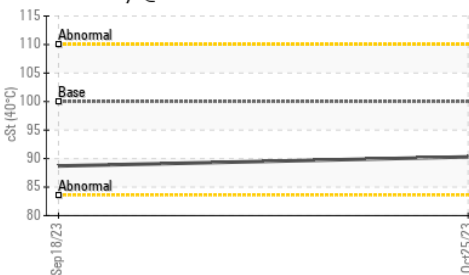
▲ Copper (ppm)



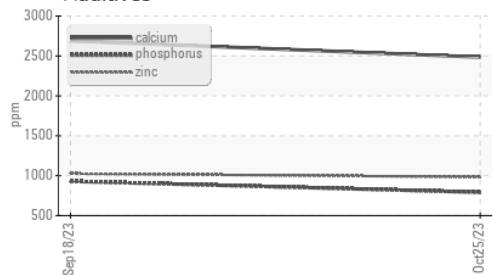
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0084850 **Received** : 06 Nov 2023
Lab Number : 06000152 **Diagnosed** : 08 Nov 2023
Unique Number : 10728512 **Diagnostician** : Don Baldrige
Test Package : MOB 1 (Additional Tests: Glycol)

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: