



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



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

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0108483</b>	PCA0084799	PCA0084850
Sample Date		Client Info		<b>19 Jun 2024</b>	30 Jan 2024	25 Oct 2023
Machine Age	hrs	Client Info		<b>31138</b>	30229	30229
Oil Age	hrs	Client Info		<b>31138</b>	900	600
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>8</b>	45	33
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	1	<1
Silver	ppm	ASTM D5185m		<b>4</b>	17	13
Aluminum	ppm	ASTM D5185m	>50	<b>2</b>	3	2
Lead	ppm	ASTM D5185m	>50	<b>2</b>	4	7
Copper	ppm	ASTM D5185m	>200	<b>92</b>	▲ 505	▲ 435
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

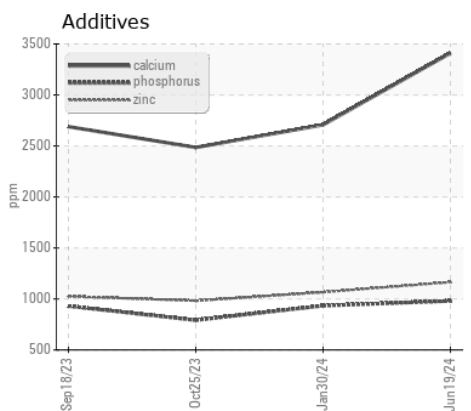
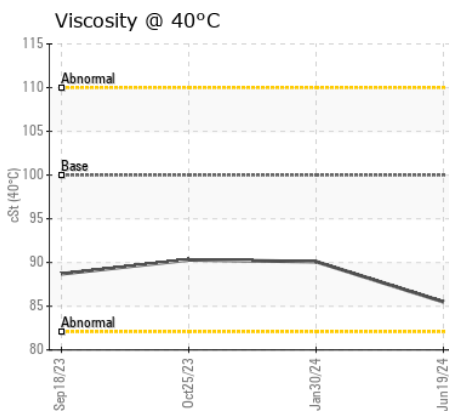
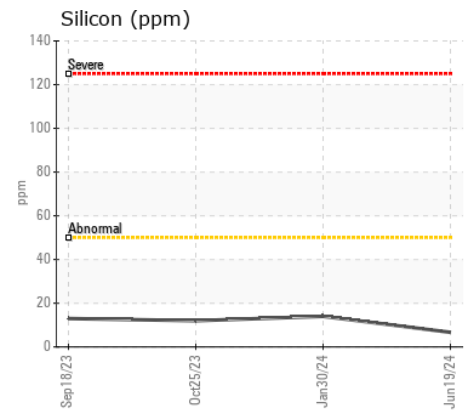
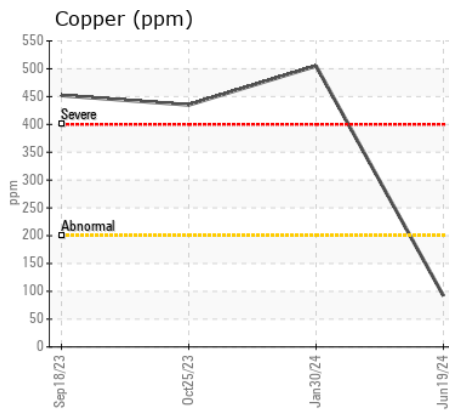
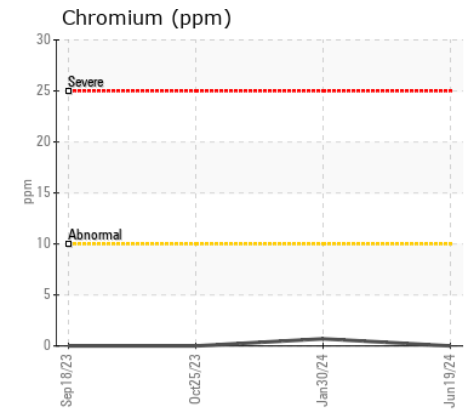
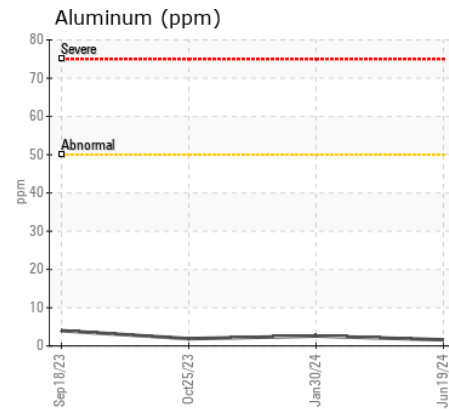
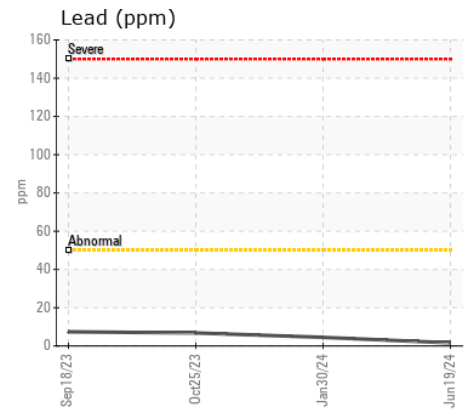
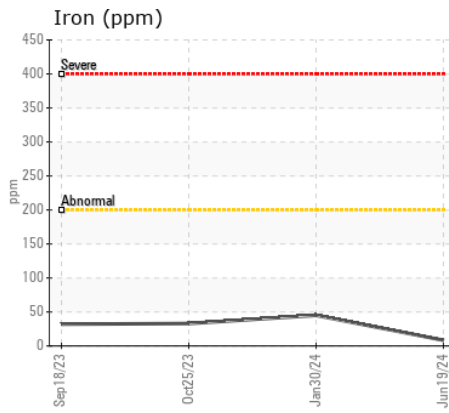
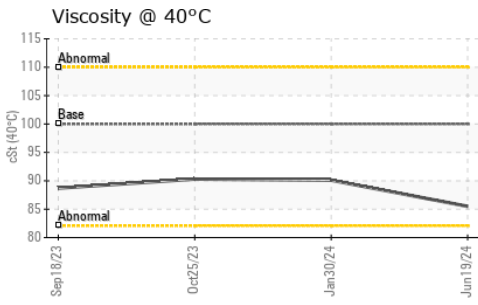
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	<b>7</b>	14	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	3
Boron	ppm	ASTM D5185m		<b>5</b>	3	4
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	6	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	19	17
Calcium	ppm	ASTM D5185m		<b>3410</b>	2707	2485
Phosphorus	ppm	ASTM D5185m		<b>980</b>	934	792
Zinc	ppm	ASTM D5185m		<b>1164</b>	1066	982
Sulfur	ppm	ASTM D5185m		<b>4281</b>	3445	3560
Visc @ 40°C	cSt	ASTM D445	100	<b>85.5</b>	90.1	90.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0108483  
 Lab Number : 06224132  
 Unique Number : 11102329  
 Test Package : MOB 1

Received : 28 Jun 2024  
 Tested : 01 Jul 2024  
 Diagnosed : 01 Jul 2024 - Wes Davis

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

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

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