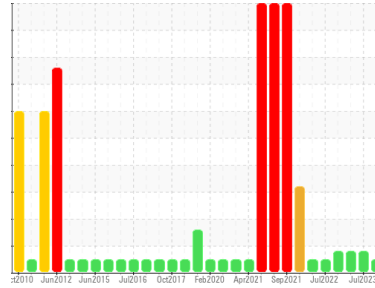


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY OZARK
Machine Id
WL033
Component
Front Differential
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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	PCA0069761	PCA0069691	PCA0084650
Sample Date	Client Info	10 Oct 2023	31 Jul 2023	23 May 2023
Machine Age	hrs	42265	42005	41725
Oil Age	hrs	323556	323556	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	178	▲ 1446	▲ 1346
Chromium	ppm	ASTM D5185m >3	<1	2	2
Nickel	ppm	ASTM D5185m >3	<1	<1	<1
Titanium	ppm	ASTM D5185m >2	<1	<1	<1
Silver	ppm	ASTM D5185m >2	<1	0	0
Aluminum	ppm	ASTM D5185m >30	2	6	6
Lead	ppm	ASTM D5185m >13	<1	1	2
Copper	ppm	ASTM D5185m >103	2	9	6
Tin	ppm	ASTM D5185m >5	<1	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	1	0	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<1	2	<1
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	5	5
Manganese	ppm	ASTM D5185m	2	12	11
Magnesium	ppm	ASTM D5185m	16	19	23
Calcium	ppm	ASTM D5185m	3372	2987	3120
Phosphorus	ppm	ASTM D5185m	836	1013	1051
Zinc	ppm	ASTM D5185m	1167	1205	1298
Sulfur	ppm	ASTM D5185m	4302	4310	5150

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >100	20	43	42
Sodium	ppm	ASTM D5185m	2	0	1
Potassium	ppm	ASTM D5185m >20	2	1	<1

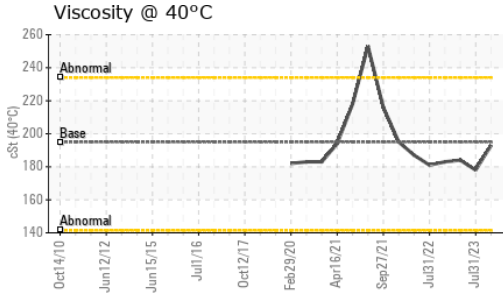
VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES

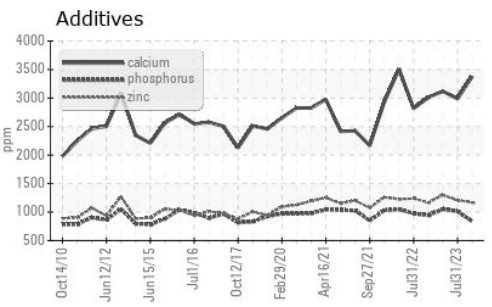
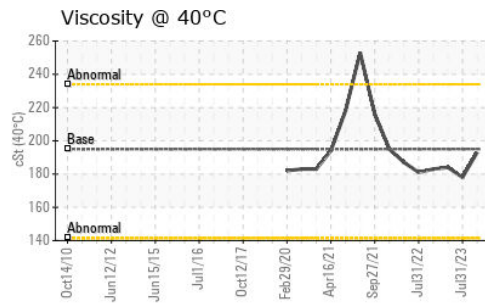
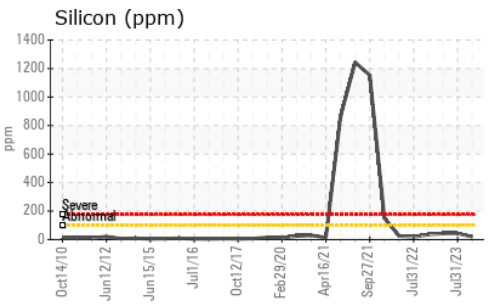
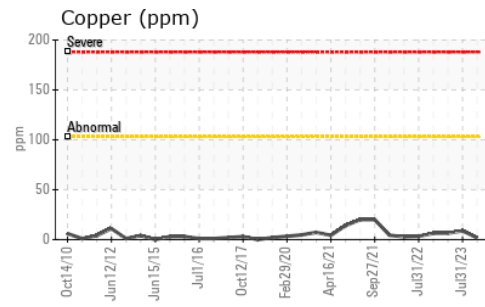
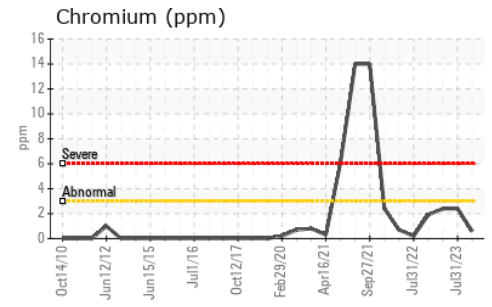
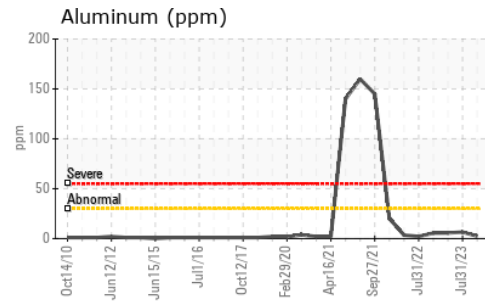
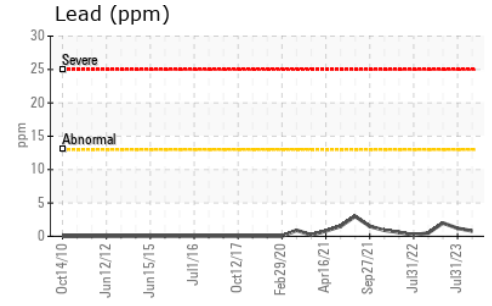
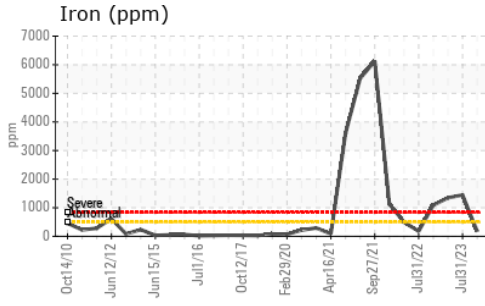
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 195	193	178	184

OIL ANALYSIS REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0069761 **Received** : 20 Oct 2023
Lab Number : 05985897 **Diagnosed** : 23 Oct 2023
Unique Number : 10708559 **Diagnostician** : Wes Davis
Test Package : MOB 1

Kemp Quarries - River Valley - Ozark
 9446 N Hwy 309
 Ozark, AR
 US 72949
 Contact: OZARK NOTIFICATIONS
 ozark@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)