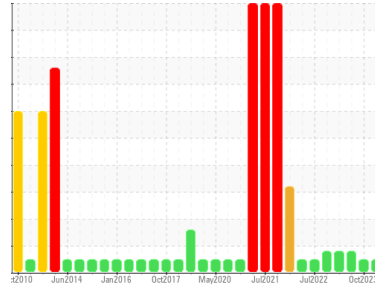


OIL ANALYSIS REPORT



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	PCA0069712	PCA0069761	PCA0069691
Sample Date	Client Info	15 Mar 2024	10 Oct 2023	31 Jul 2023
Machine Age	hrs	42691	42265	42005
Oil Age	hrs	323556	323556	323556
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	348	178	▲ 1446
Chromium	ppm ASTM D5185m >3	<1	<1	2
Nickel	ppm ASTM D5185m >3	<1	<1	<1
Titanium	ppm ASTM D5185m >2	<1	<1	<1
Silver	ppm ASTM D5185m >2	0	<1	0
Aluminum	ppm ASTM D5185m >30	3	2	6
Lead	ppm ASTM D5185m >13	1	<1	1
Copper	ppm ASTM D5185m >103	3	2	9
Tin	ppm ASTM D5185m >5	<1	<1	0
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	<1	1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	<1	2
Barium	ppm ASTM D5185m	1	0	0
Molybdenum	ppm ASTM D5185m	2	0	5
Manganese	ppm ASTM D5185m	3	2	12
Magnesium	ppm ASTM D5185m	12	16	19
Calcium	ppm ASTM D5185m	4087	3372	2987
Phosphorus	ppm ASTM D5185m	996	836	1013
Zinc	ppm ASTM D5185m	1205	1167	1205
Sulfur	ppm ASTM D5185m	4897	4302	4310

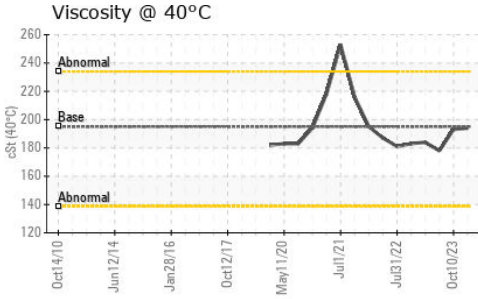
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >100	21	20	43
Sodium	ppm ASTM D5185m	0	2	0
Potassium	ppm ASTM D5185m >20	2	2	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 >.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT



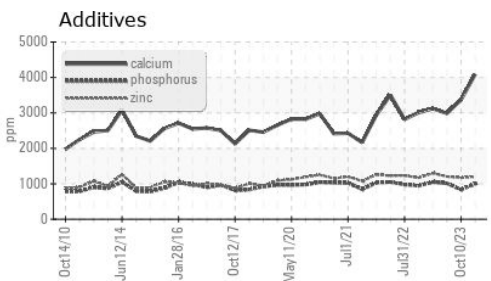
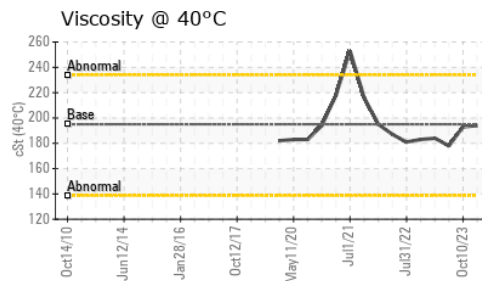
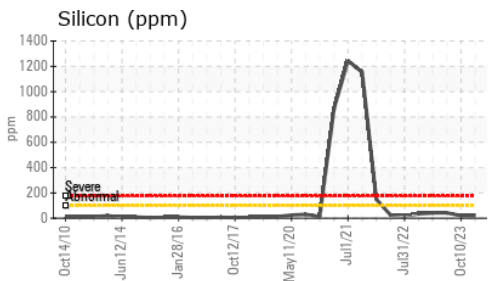
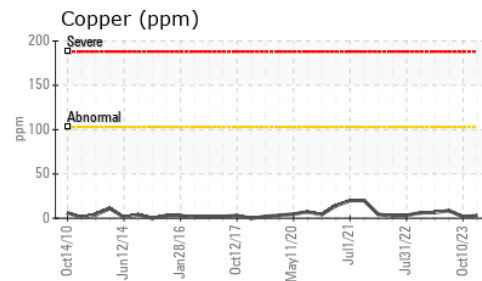
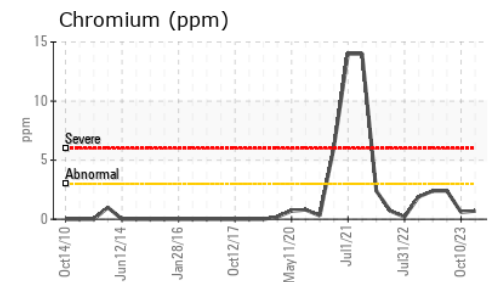
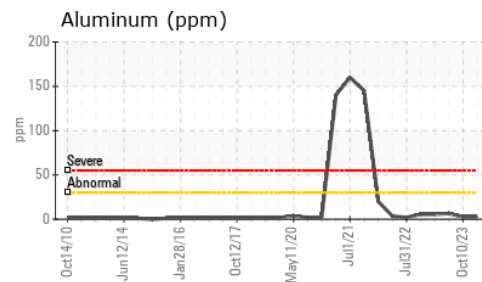
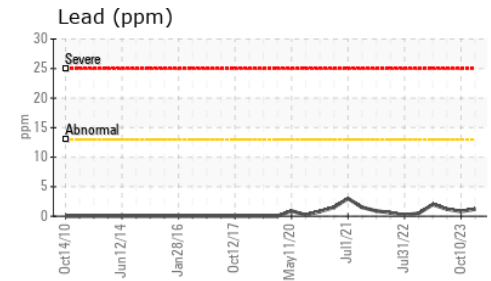
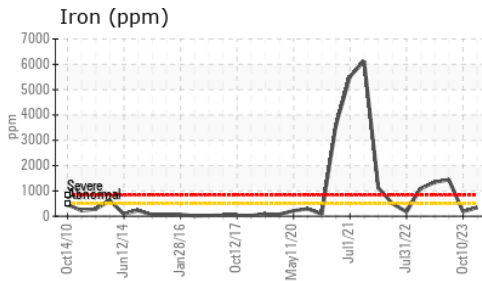
FLUID PROPERTIES

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

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. : PCA0069712
Lab Number : 06128948
Unique Number : 10943099
Test Package : MOB 1

Received : 25 Mar 2024
Tested : 28 Mar 2024
Diagnosed : 28 Mar 2024 - Don Baldrige

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)

T:
F: