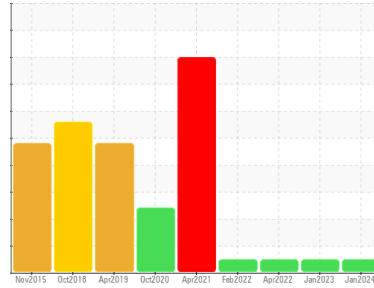


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
KEMP QUARRIES / RIVER VALLEY OZARK
Machine Id
TTH017
Component
Front Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Performed pm-4 on 1/10/24)

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	PCA0084494	PCA0037185	PCA0049377
Sample Date	Client Info	12 Jan 2024	13 Jan 2023	05 Apr 2022
Machine Age	hrs	5255	18563	4336
Oil Age	hrs	5255	900	600
Oil Changed	Client Info	Changed	Not Changd	Not Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >2766	234	260	219
Chromium	ppm ASTM D5185m >36	2	2	2
Nickel	ppm ASTM D5185m >5	<1	0	0
Titanium	ppm ASTM D5185m >13	1	1	1
Silver	ppm ASTM D5185m	0	0	<1
Aluminum	ppm ASTM D5185m >221	9	11	10
Lead	ppm ASTM D5185m >6	<1	0	1
Copper	ppm ASTM D5185m >19	2	1	<1
Tin	ppm ASTM D5185m >5	0	0	<1
Antimony	ppm ASTM D5185m >5	---	---	---
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	21	14	4
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	<1	<1	<1
Manganese	ppm ASTM D5185m	1	1	1
Magnesium	ppm ASTM D5185m	10	10	13
Calcium	ppm ASTM D5185m	2864	2985	3107
Phosphorus	ppm ASTM D5185m	970	1033	1074
Zinc	ppm ASTM D5185m	1204	1186	1222
Sulfur	ppm ASTM D5185m	7036	6408	5493

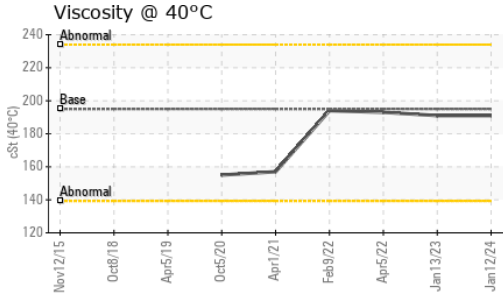
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >970	66	69	59
Sodium	ppm ASTM D5185m	0	0	<1
Potassium	ppm ASTM D5185m >20	5	4	0

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	MODER	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 >0.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

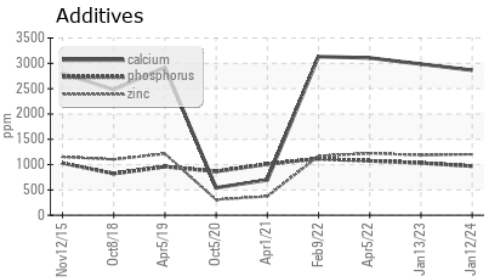
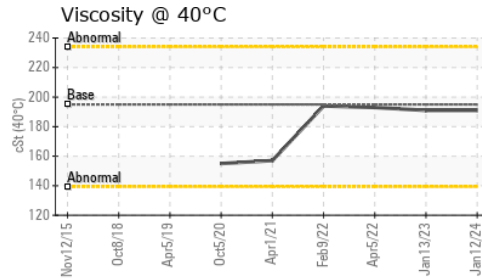
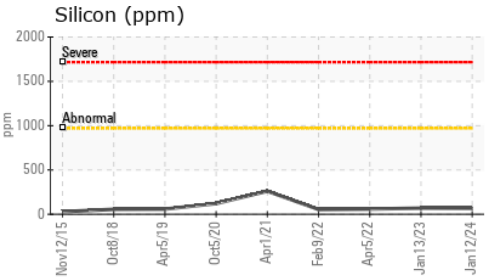
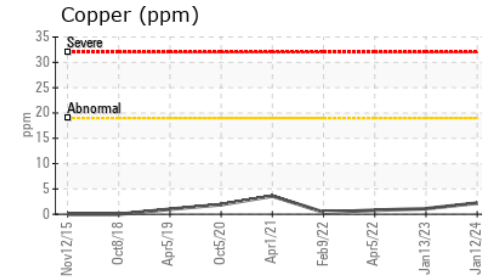
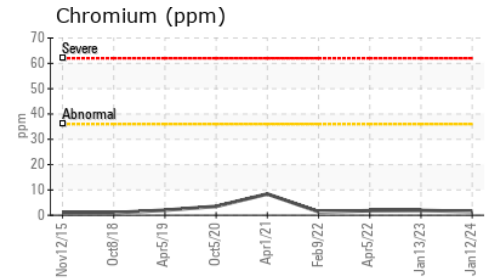
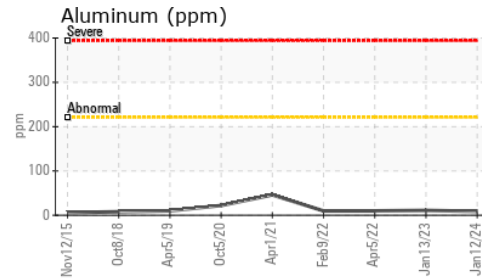
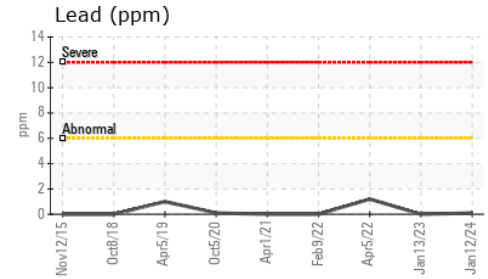
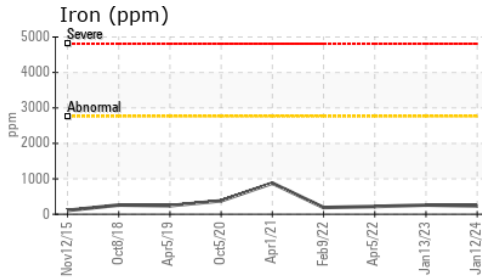


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	191	193

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0084494 **Received** : 30 Jan 2024
Lab Number : 06074170 **Diagnosed** : 31 Jan 2024
Unique Number : 10856261 **Diagnostician** : Sean Felton
Test Package : MOB 1

Kemp Quarries - River Valley - Ozark
 9446 N Hwy 309
 Ozark, AR
 US 72949
 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)

ozark@rivervalleyquarries.com

T:
F: