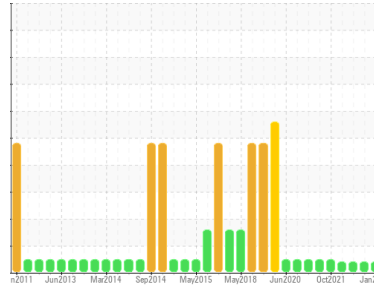


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
KEMP QUARRIES / HULBERT
 Machine Id
OHT049
 Component
Rear Left Final Drive
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

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 oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0109167	PCA0086129	PCA0061813
Sample Date	Client Info	27 Jan 2024	23 Sep 2023	09 Dec 2022
Machine Age	hrs	9318	8820	7760
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Changed	Not Chngd
Sample Status		ATTENTION	ATTENTION	ATTENTION

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 >800	31	115	131
Chromium	ppm ASTM D5185m >10	<1	<1	1
Nickel	ppm ASTM D5185m >5	0	2	2
Titanium	ppm ASTM D5185m >15	0	<1	<1
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >75	2	2	4
Lead	ppm ASTM D5185m >10	0	4	4
Copper	ppm ASTM D5185m >75	8	42	47
Tin	ppm ASTM D5185m >8	0	2	2
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	1	12	16
Barium	ppm ASTM D5185m	5	0	0
Molybdenum	ppm ASTM D5185m	3	22	27
Manganese	ppm ASTM D5185m	0	1	1
Magnesium	ppm ASTM D5185m	64	353	415
Calcium	ppm ASTM D5185m	1212	1081	1450
Phosphorus	ppm ASTM D5185m	616	720	860
Zinc	ppm ASTM D5185m	744	854	976
Sulfur	ppm ASTM D5185m	2557	3801	5553

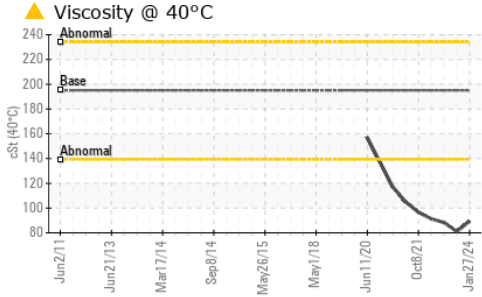
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	8	21	24
Sodium	ppm ASTM D5185m	0	2	3
Potassium	ppm ASTM D5185m >20	1	0	<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 >0.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

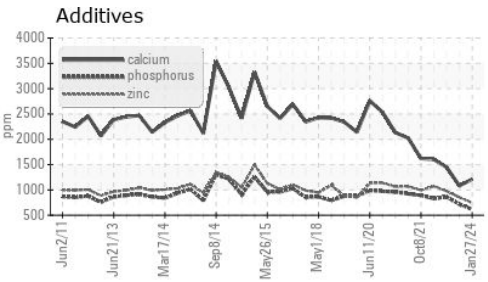
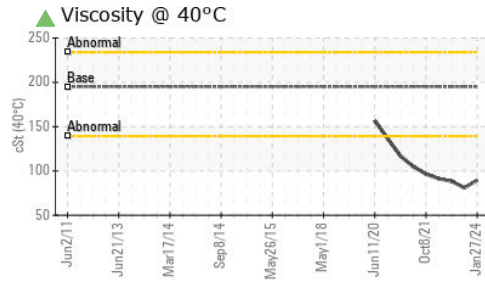
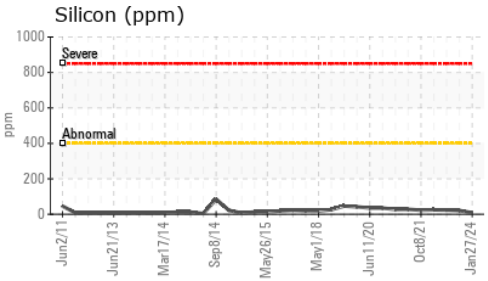
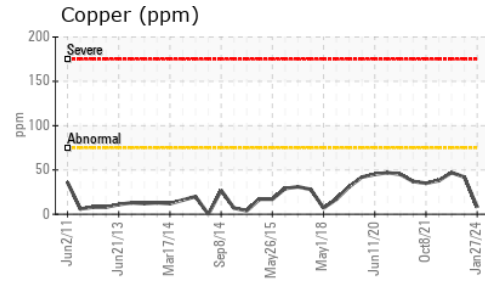
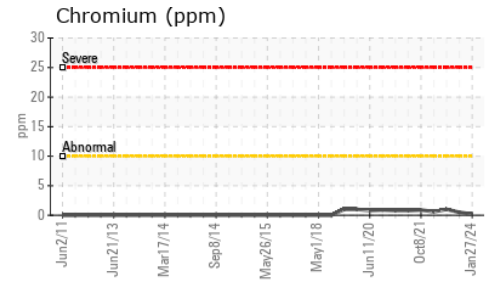
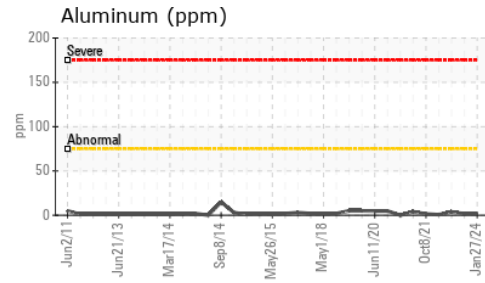
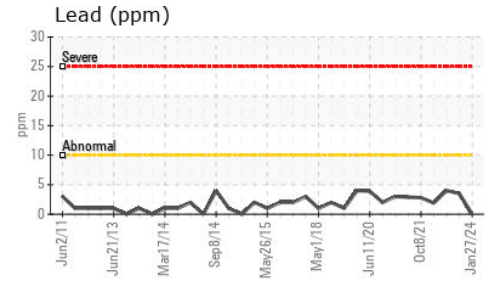
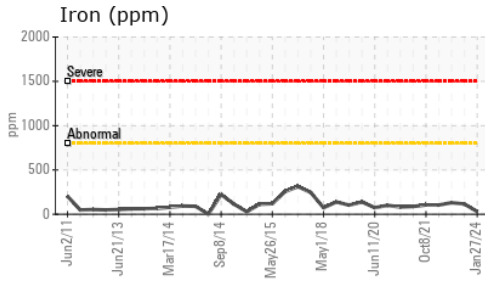
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	▲ 89.5	▲ 81.0	▲ 88.3

SAMPLE IMAGES		method	limit/base	current	history1	history2
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. : PCA0109167
Lab Number : 06080949
Unique Number : 10863040
Test Package : MOB 1

Received : 05 Feb 2024
Tested : 06 Feb 2024
Diagnosed : 07 Feb 2024 - Sean Felton

Kemp Quarries - Kemp Stone - Hulbert
 17801 Hwy 80
 Hulbert, OK
 US 74441

Contact: hulbert@kempstone.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: