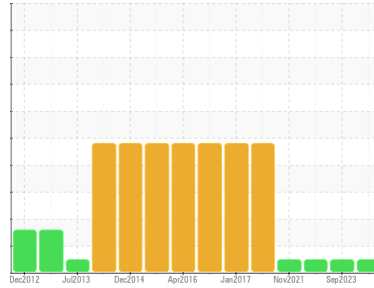


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
KEMP QUARRIES / MUSKOGEE SAND [67431]
 Machine Id
WL001
 Component
Front Right Final Drive
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)

Wear

All component wear rates are normal.

Contamination

The water content is negligible. 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	PCA0086573	PCA0048603	PCA0070491
Sample Date	Client Info	29 Feb 2024	06 Sep 2023	08 Jul 2022
Machine Age	hrs	3895	3441	2975
Oil Age	hrs	3895	3441	613
Oil Changed	Client Info	N/A	N/A	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 >800	35	29	267
Chromium	ppm ASTM D5185m >10	0	<1	1
Nickel	ppm ASTM D5185m >5	0	0	0
Titanium	ppm ASTM D5185m >15	0	<1	<1
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >75	2	3	12
Lead	ppm ASTM D5185m >10	0	0	<1
Copper	ppm ASTM D5185m >75	0	0	1
Tin	ppm ASTM D5185m >8	<1	<1	0
Antimony	ppm ASTM D5185m >50	---	---	---
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	1
Barium	ppm ASTM D5185m	0	<1	25
Molybdenum	ppm ASTM D5185m	<1	0	<1
Manganese	ppm ASTM D5185m	<1	<1	7
Magnesium	ppm ASTM D5185m	0	23	11
Calcium	ppm ASTM D5185m	2907	3643	3037
Phosphorus	ppm ASTM D5185m	745	927	1012
Zinc	ppm ASTM D5185m	796	1130	1211
Sulfur	ppm ASTM D5185m	7656	10261	10174

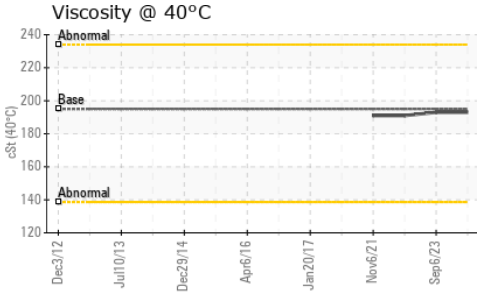
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >400	19	21	42
Sodium	ppm ASTM D5185m	3	2	4
Potassium	ppm ASTM D5185m >20	0	0	5

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	NONE	NONE
Yellow Metal	scalar *Visual	NONE	NONE	NONE
Precipitate	scalar *Visual	NONE	NONE	NONE
Silt	scalar *Visual	NONE	NONE	NONE
Debris	scalar *Visual	NONE	NONE	NONE
Sand/Dirt	scalar *Visual	NONE	NONE	NONE
Appearance	scalar *Visual	NORML	NORML	NORML
Odor	scalar *Visual	NORML	NORML	NORML
Emulsified Water	scalar *Visual	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

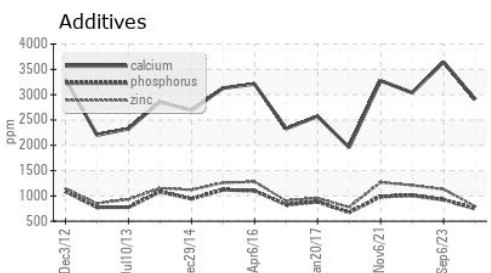
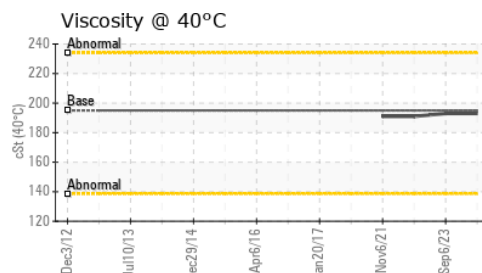
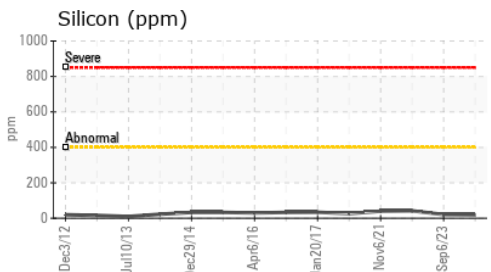
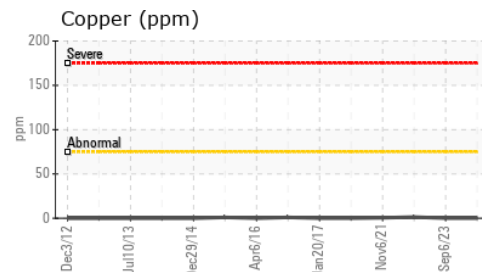
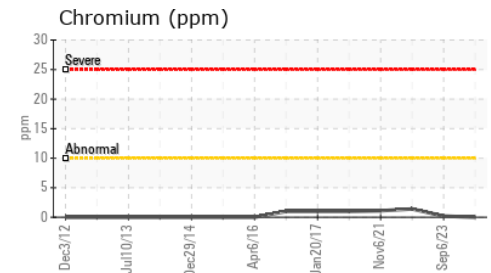
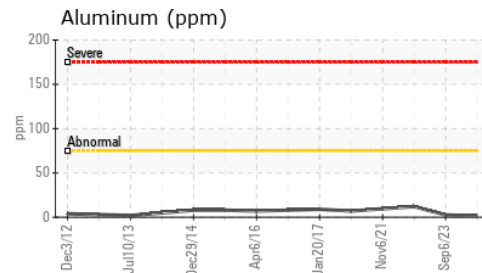
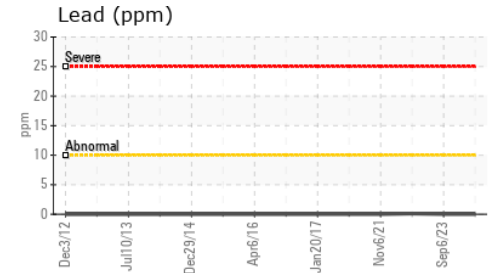
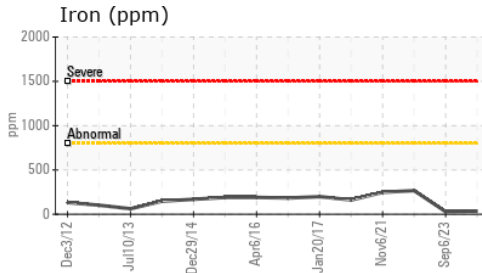


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	193	193	191

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. : PCA0086573
Lab Number : 06115483
Unique Number : 10924316
Test Package : MOB 1
Received : 11 Mar 2024
Tested : 13 Mar 2024
Diagnosed : 13 Mar 2024 - Don Baldrige

Kemp Quarries - Muskogee Sand
 3395 W 50th St N
 Porter, OK
 US 74454
 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)

muskogee@muskogeessand.com

T:

F: