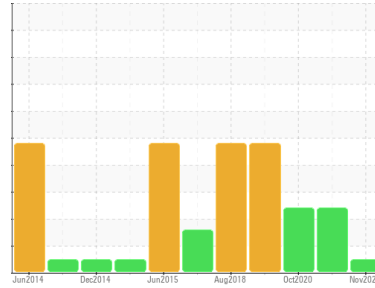


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL


Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
 Machine Id
OHT073
 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0084869	PCA0019662	PCA0017387
Sample Date	Client Info		02 Nov 2023	27 Jan 2021	05 Oct 2020
Machine Age	hrs	Client Info	47581	47422	47010
Oil Age	hrs	Client Info	1200	0	0
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	216	294	234
Chromium	ppm	ASTM D5185m >10	1	1	1
Nickel	ppm	ASTM D5185m >5	1	2	<1
Titanium	ppm	ASTM D5185m >15	1	2	2
Silver	ppm	ASTM D5185m >2	0	0	<1
Aluminum	ppm	ASTM D5185m >75	11	▲ 8	▲ 11
Lead	ppm	ASTM D5185m >10	2	2	2
Copper	ppm	ASTM D5185m >75	19	21	15
Tin	ppm	ASTM D5185m >8	1	1	1
Antimony	ppm	ASTM D5185m >50	---	0	<1
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	3	5	15
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	4	3
Manganese	ppm	ASTM D5185m	2	3	2
Magnesium	ppm	ASTM D5185m	32	27	28
Calcium	ppm	ASTM D5185m	3068	3106	2905
Phosphorus	ppm	ASTM D5185m	1145	1065	962
Zinc	ppm	ASTM D5185m	1384	1260	1202
Sulfur	ppm	ASTM D5185m	12343	10296	9537

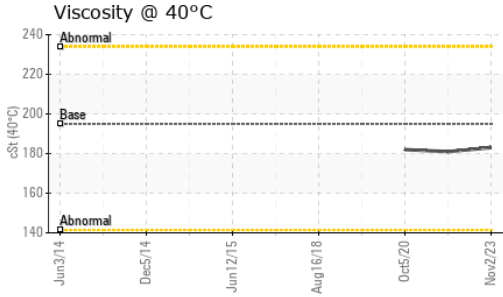
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	78	▲ 88	▲ 88
Sodium	ppm	ASTM D5185m	2	<1	4
Potassium	ppm	ASTM D5185m >20	4	4	4

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

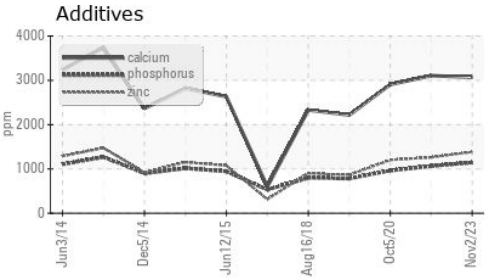
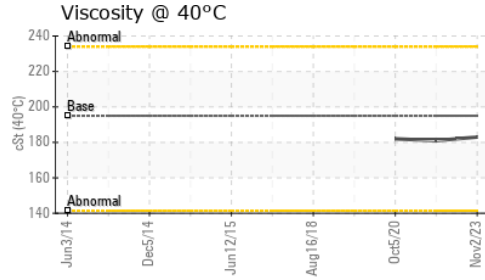
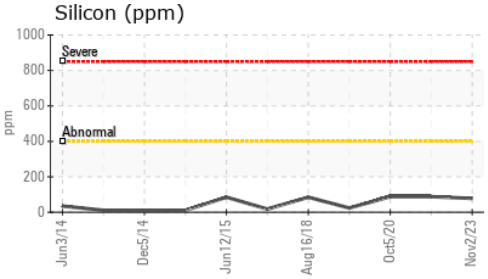
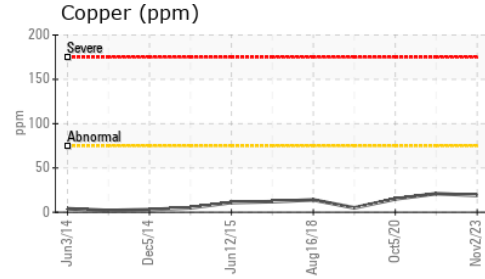
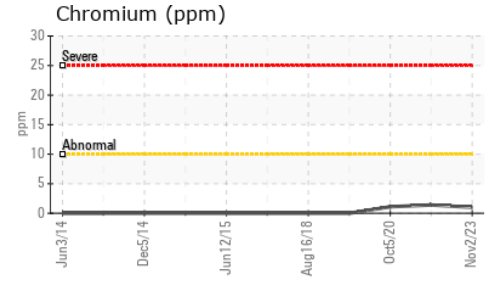
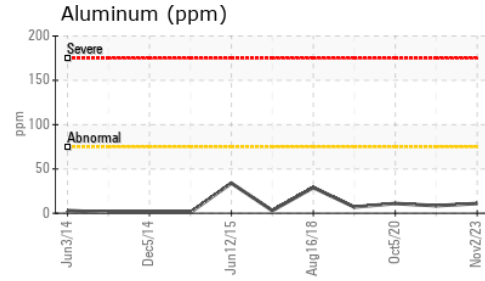
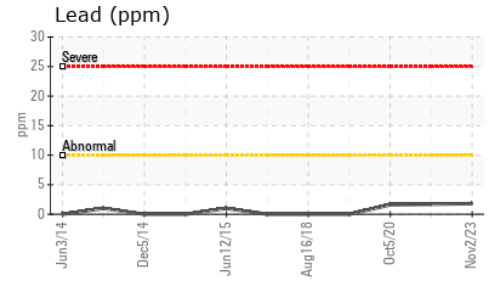
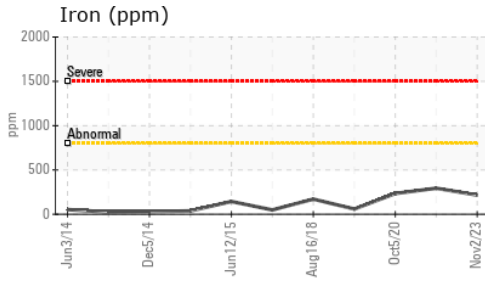


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	183	181	182

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. : PCA0084869
Lab Number : 06002519
Unique Number : 10736281
Test Package : MOB 1

Kemp Quarries - River Valley - Backbone
 5600 S Hwy 253
 Huntington, AR
 US 72940

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)

backbone@rivervalleyquarries.com

T:
F: