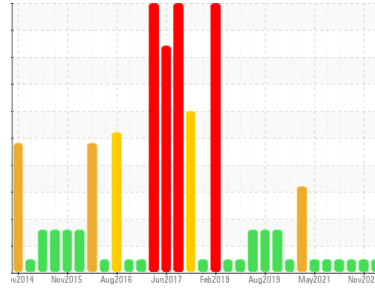


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
WL088
Component
Front Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL

✓

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Hour meter 6146)

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		PCA0085870	PCA0070227	PCA0049260
Sample Date	Client Info		09 Aug 2023	14 Nov 2022	17 Feb 2022
Machine Age	hrs Client Info		6146	5802	5321
Oil Age	hrs Client Info		300	5802	3907
Oil Changed	Client Info		Not Chngd	Changed	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

method		limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>800	26	87	53
Chromium	ppm ASTM D5185m	>10	0	<1	<1
Nickel	ppm ASTM D5185m	>5	0	0	<1
Titanium	ppm ASTM D5185m	>15	<1	<1	<1
Silver	ppm ASTM D5185m	>2	0	0	0
Aluminum	ppm ASTM D5185m	>75	4	4	4
Lead	ppm ASTM D5185m	>10	<1	<1	2
Copper	ppm ASTM D5185m	>75	2	10	8
Tin	ppm ASTM D5185m	>8	0	<1	1
Antimony	ppm ASTM D5185m	>50	---	---	1
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	6	5
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		12	8	12
Calcium	ppm ASTM D5185m		2934	2849	3268
Phosphorus	ppm ASTM D5185m		1032	1002	1177
Zinc	ppm ASTM D5185m		1242	1240	1490
Sulfur	ppm ASTM D5185m		4989	5067	5349

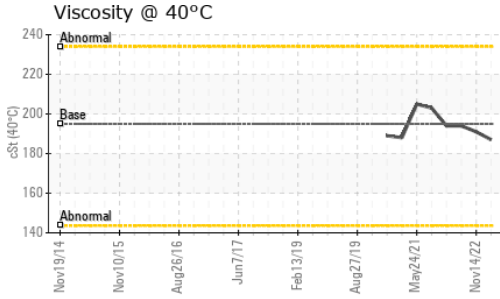
CONTAMINANTS

method		limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>400	28	44	21
Sodium	ppm ASTM D5185m		0	0	<1
Potassium	ppm ASTM D5185m	>20	1	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	>0.2	NEG	NEG	NEG
Free Water	scalar *Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT



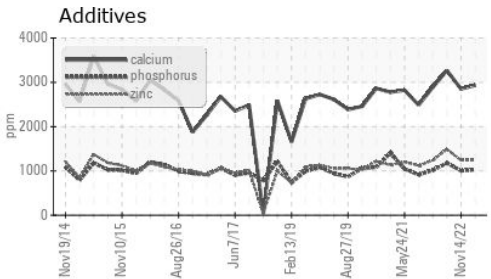
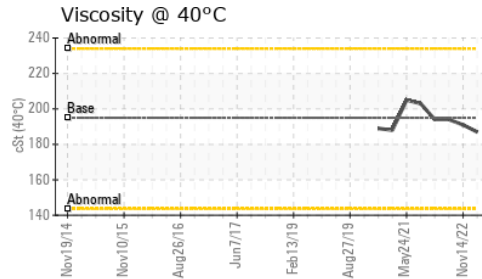
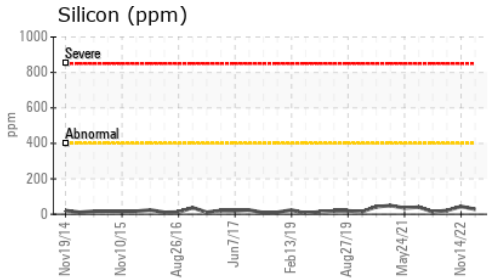
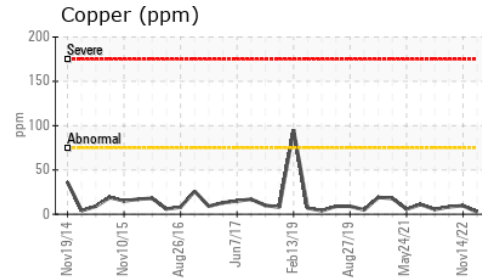
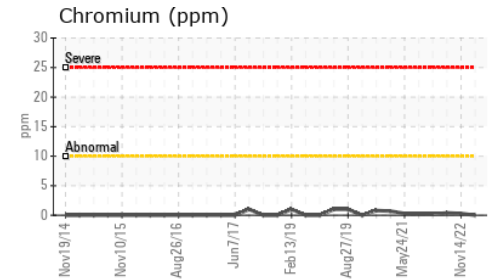
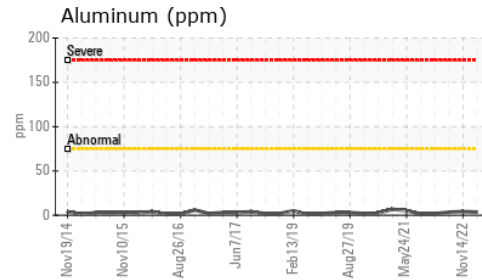
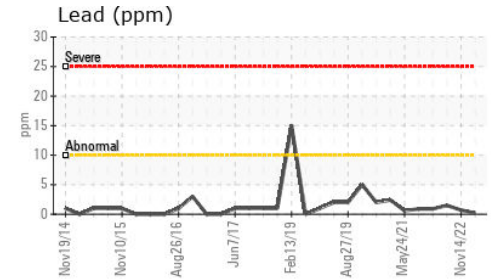
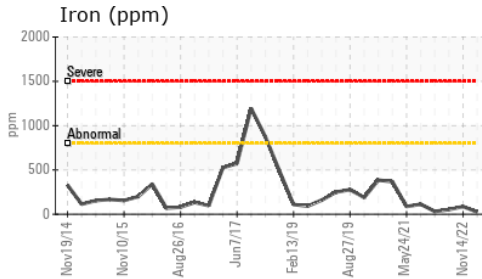
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	195	187	191	194

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. : PCA0085870
Lab Number : 05924559
Unique Number : 10604506
Test Package : MOB 1

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

backbone@rivervalleyquarries.com

T:
F: