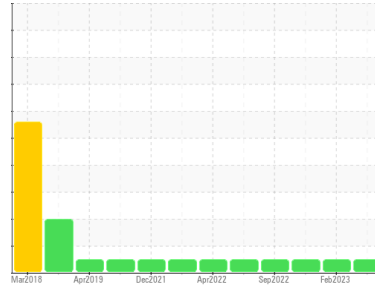


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
OHT087
Component
Hydraulic System
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- 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 fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0084877	PCA0037156	PCA0037147
Sample Date	Client Info	14 Aug 2023	09 Feb 2023	01 Dec 2022
Machine Age	hrs	33094	32155	31805
Oil Age	hrs	600	900	600
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	8	13	12
Chromium	ppm ASTM D5185m >10	<1	<1	<1
Nickel	ppm ASTM D5185m >10	2	4	1
Titanium	ppm ASTM D5185m	0	<1	<1
Silver	ppm ASTM D5185m	0	0	1
Aluminum	ppm ASTM D5185m >10	<1	1	3
Lead	ppm ASTM D5185m >10	<1	<1	<1
Copper	ppm ASTM D5185m >75	2	5	6
Tin	ppm ASTM D5185m >10	0	0	<1
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 0	<1	0	<1
Barium	ppm ASTM D5185m 0	2	0	0
Molybdenum	ppm ASTM D5185m 0	2	2	2
Manganese	ppm ASTM D5185m	0	<1	<1
Magnesium	ppm ASTM D5185m 0	19	28	28
Calcium	ppm ASTM D5185m	103	122	124
Phosphorus	ppm ASTM D5185m	404	353	350
Zinc	ppm ASTM D5185m	523	448	454
Sulfur	ppm ASTM D5185m	1085	895	1029

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	4	8	7
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	<1	2	1

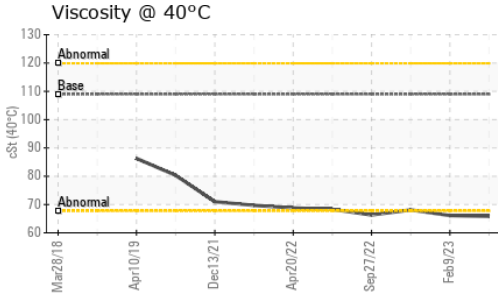
VISUAL

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 >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

FLUID PROPERTIES

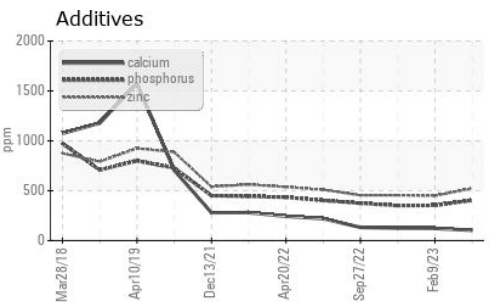
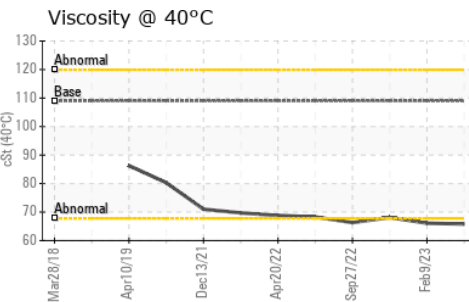
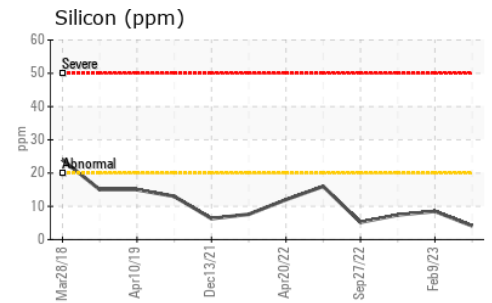
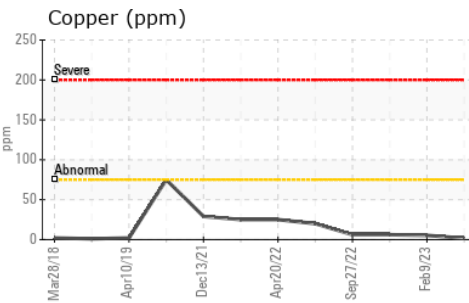
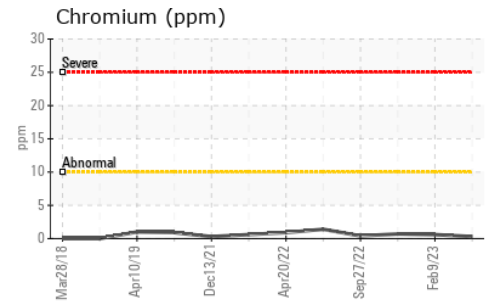
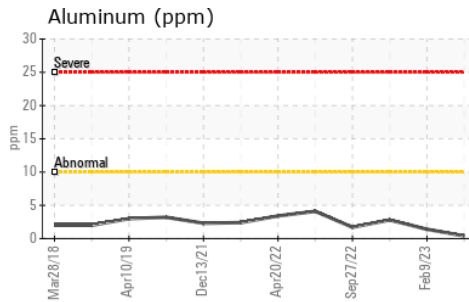
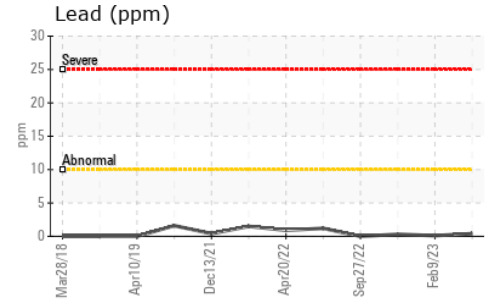
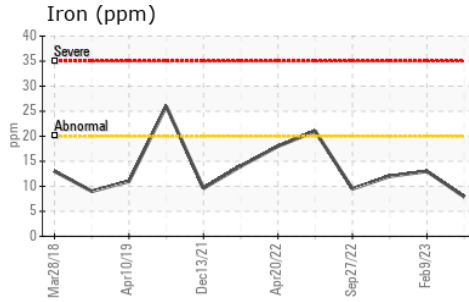
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 109	65.8	66.1	68.1

OIL ANALYSIS REPORT



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. : PCA0084877
Lab Number : 05938023
Unique Number : 10628635
Test Package : MOB 1

Kemp Quarries - River Valley - Backbone
 5600 S Hwy 253
 Huntingtng, 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: