

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
 Machine Id
Scrn075
 Component
Non-Drive End Gearbox
 Fluid
{not provided} (3 GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.
 Please specify the brand, type, and viscosity of the oil on your next sample.

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		PCA0069960	---	---
Sample Date	Client Info		12 Feb 2024	---	---
Machine Age	hrs Client Info		6550	---	---
Oil Age	hrs Client Info		300	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>200	8	---	---
Chromium	ppm ASTM D5185m	>10	<1	---	---
Nickel	ppm ASTM D5185m	>10	0	---	---
Titanium	ppm ASTM D5185m		0	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	2	---	---
Lead	ppm ASTM D5185m	>50	0	---	---
Copper	ppm ASTM D5185m	>200	2	---	---
Tin	ppm ASTM D5185m	>10	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		22	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m		1	---	---
Calcium	ppm ASTM D5185m		27	---	---
Phosphorus	ppm ASTM D5185m		290	---	---
Zinc	ppm ASTM D5185m		23	---	---
Sulfur	ppm ASTM D5185m		5695	---	---

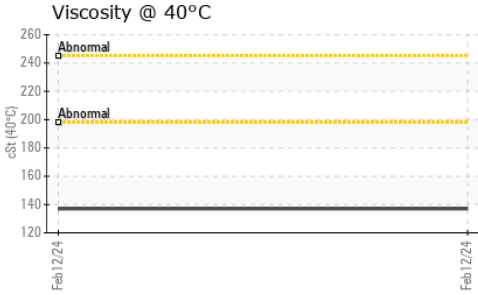
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	16	---	---
Sodium	ppm ASTM D5185m		0	---	---
Potassium	ppm ASTM D5185m	>20	<1	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	NONE	---	---
Yellow Metal	scalar *Visual	NONE	NONE	---	---
Precipitate	scalar *Visual	NONE	NONE	---	---
Silt	scalar *Visual	NONE	MODER	---	---
Debris	scalar *Visual	NONE	NONE	---	---
Sand/Dirt	scalar *Visual	NONE	NONE	---	---
Appearance	scalar *Visual	NORML	NORML	---	---
Odor	scalar *Visual	NORML	NORML	---	---
Emulsified Water	scalar *Visual	>0.2	NEG	---	---
Free Water	scalar *Visual		NEG	---	---

OIL ANALYSIS REPORT



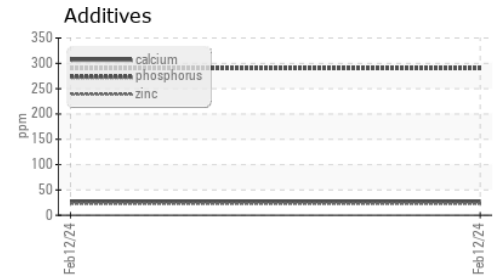
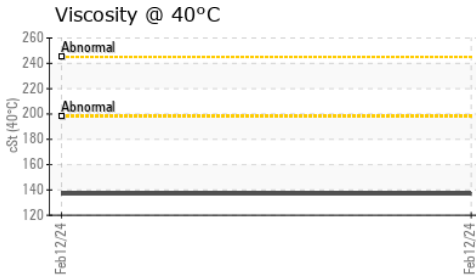
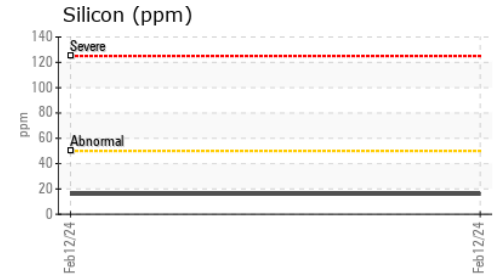
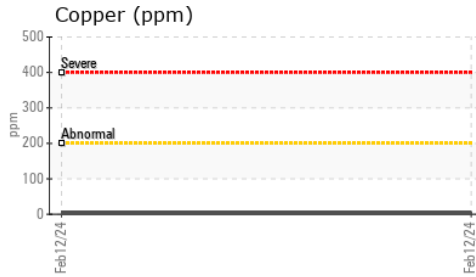
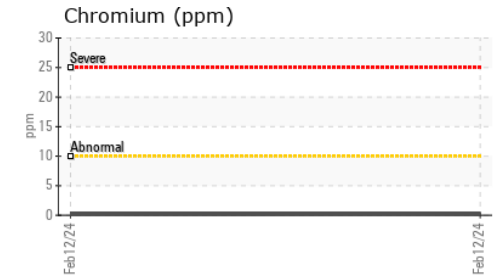
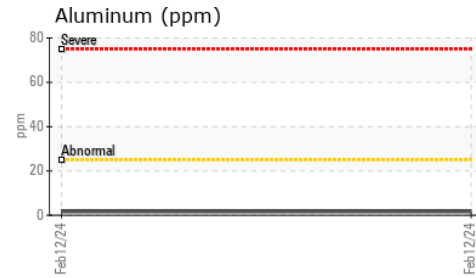
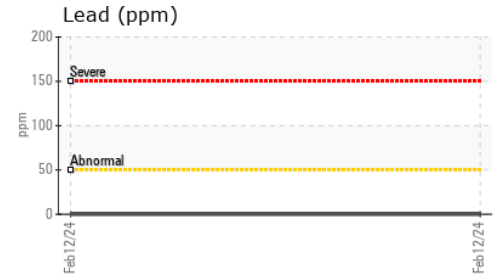
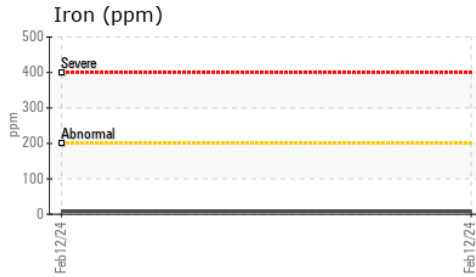
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	137	---	---

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. : PCA0069960
Lab Number : 06092520
Unique Number : 10885373
Test Package : MOB 1

Received : 16 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 20 Feb 2024 - Sean Felton

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

Contact: backbone@rivervalleyquarries.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: