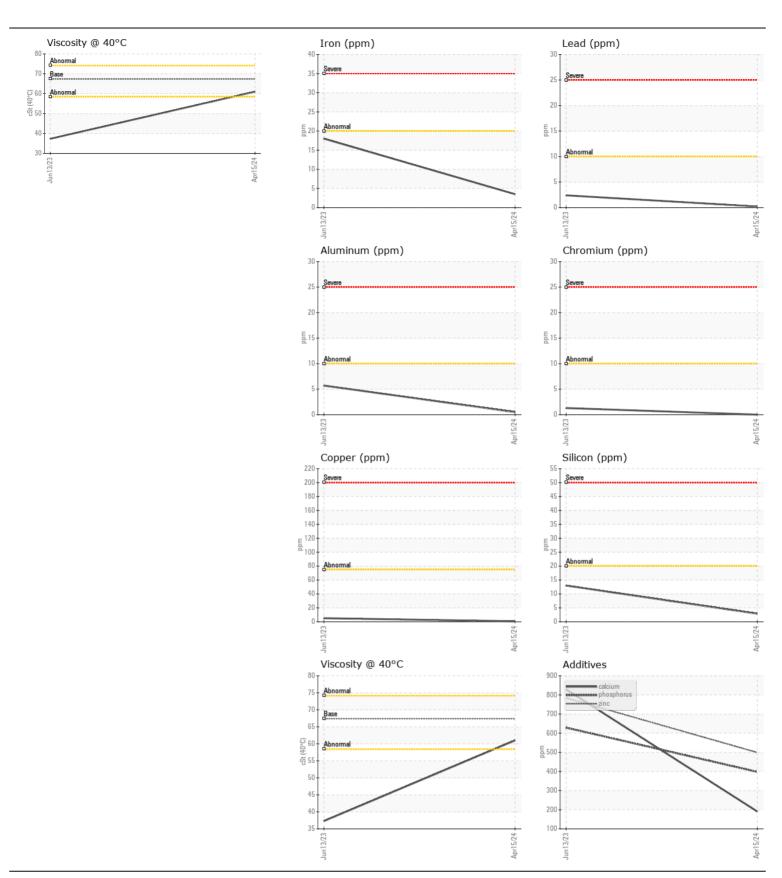
**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

## KEMP QUARRIES / RIVER VALLEY ARKOMA

**WL152** 

Hydraulic System

Test	UOM	Method	Limit/Abn	Current	History1	History2
		Client Info			,	
•		Client Info		15 Apr 2024	13 Jun 2023	
Machine Age	hrs	Client Info		31696	31129	
Oil Age	hrs	Client Info		51	31129	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ATTENTION	
Iron	nom	ASTM D5185m	>20	4	18	
					1	
					0	
Titanium					<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm		>10	<1	6	
Lead	ppm	ASTM D5185m	>10	<1	2	
Copper	ppm	ASTM D5185m	>75	<1	5	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	maa	ASTM D5185m	>20	3	13	
Potassium				0	2	
Water		WC Method	>0.1	NEG	NEG	
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	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185m		<1	<1	
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	<1	<1	
Manganese	ppm	ASTM D5185m	0	0	<1	
Magnesium	ppm	ASTM D5185m	0	4	8	
Calcium	ppm	ASTM D5185m	50	191	829	
Phosphorus	ppm	ASTM D5185m	330	398	629	
Zinc	ppm	ASTM D5185m	430	499	784	
Sulfur	ppm	ASTM D5185m	700	1194	2235	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal  Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Boron ppm Manganese ppm Magnesium ppm Manganese ppm Calcium ppm Phosphorus Zinc ppm	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Oil Age Nrs Client Info Oil Changed Client Info Oil Changed Client Info Filter Changed Sample Status  Iron Chromium Dpm ASTM D5185m Nickel Dpm ASTM D5185m Titanium Dpm ASTM D5185m Aluminum Dpm ASTM D5185m Copper Dpm ASTM D5185m Tin Dpm ASTM D5185m Tin Dpm ASTM D5185m Vanadium Dpm ASTM D5185m Valual Scalar Visual Silicon Dpm ASTM D5185m Vacalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Scalar Appearance Scalar Scalar Appearance Scalar Scalar Scalar Appearance Scalar Appearance Scalar Scalar Scalar Appearance Scalar Appearance Scalar Scalar Appearance Appe	Sample Number Sample Date Client Info Machine Age Ins Client Info Oil Age Ins Client Info Oil Age Ins Client Info Oil Age Ins Client Info Filter Age Ins Client Info Oil Changed Client Info Filter Changed Client Info Sample Status  Iron Ins Chromium Ins	Sample Number         Client Info         PCA0086964           Sample Date         Client Info         15 Apr 2024           Machine Age         hrs         Client Info         31696           Oil Age         hrs         Client Info         51           Filter Age         hrs         Client Info         Not Changd           Oil Changed         Client Info         Not Changd           Filter Changed         Client Info         Not Changd           Sample Status         NORMAL           Iron         ppm         ASTM D5185m         >20         4           Chromium         ppm         ASTM D5185m         >10         0           Nickel         ppm         ASTM D5185m         >10         0           Nickel         ppm         ASTM D5185m         >10         0           Titanium         ppm         ASTM D5185m         >10         0           Aluminum         ppm         ASTM D5185m         >10         <1	Sample Number         Client Info         PCA0086964 processor         PCA008694 processor         P





Certificate L2367

Laboratory Sample No.

: PCA0086964 Lab Number : 06155440 Unique Number: 10990863 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** 

: 22 Apr 2024 Diagnosed : 22 Apr 2024 - Wes Davis

Kemp Quarries - River Valley - Arkoma 12971 HWY 9a

Shawnee, OK US 74804 Contact:

T:

F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

arkomashop@kempquarries.net

\* - 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)