

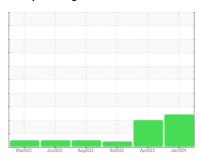
# **OIL ANALYSIS REPORT**



# KEMP QUARRIES / RIVER VALLEY BACKBONE **WL147**

Component **Rear Right Final Drive** 

**TDTO FLUID SAE 50 (** 



Sample Rating Trend



### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. 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.

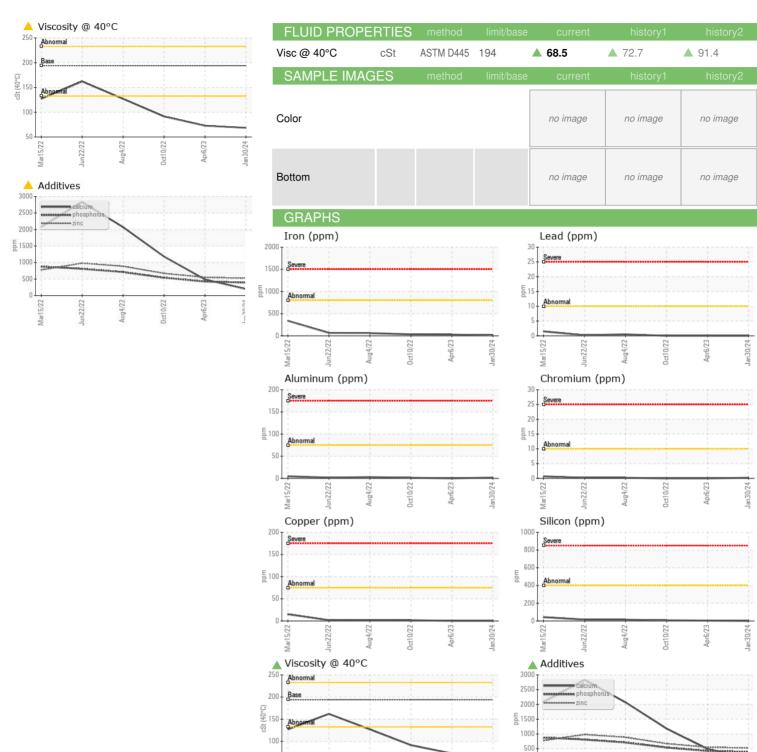
#### ▲ Fluid Condition

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

( GAL)		Mar2022	Jun2022 Aug202	2 Oct2022 Apr2023	Jan 2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0069953	PCA0085824	PCA0070031
Sample Date		Client Info		30 Jan 2024	06 Apr 2023	10 Oct 2022
Machine Age	hrs	Client Info		29627	28770	27854
Oil Age	hrs	Client Info		1200	345	990
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	12	27	34
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	2	<1	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	<1	2
Tin	ppm	ASTM D5185m	>8	0	0	0
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	37	<1	0	3
Barium	ppm	ASTM D5185m	7	5	0	0
Molybdenum	ppm	ASTM D5185m	5	5	2	1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	40	<b>▲</b> 86	16	15
Calcium	ppm	ASTM D5185m	2650	<b>▲</b> 196	<b>▲</b> 489	1181
Phosphorus	ppm	ASTM D5185m	1050	<b>▲</b> 393	▲ 424	540
Zinc	ppm	ASTM D5185m	1075	<b>▲</b> 526	<b>▲</b> 550	671
Sulfur	ppm	ASTM D5185m	5750	▲ 1187	▲ 1931	4117
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	<1	4	7
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	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
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# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number : 06082052 Unique Number : 10869497 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0069953 Received : 06 Feb 2024

: 07 Feb 2024 **Tested** : 08 Feb 2024 - Jonathan Hester Diagnosed

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)

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F: