

## **OIL ANALYSIS REPORT**

## Sample Rating Trend

## NORMAL

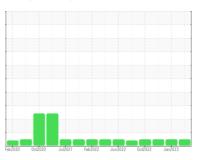


# KEMP QUARRIES / RIVER VALLEY BACKBONE WL135

Component

Rear Left Final Drive

PETRO CANADA PRODURO TO-4 SAE 50 (--- 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 oil.

### **Fluid Condition**

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

SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0084836	PCA0037139	PCA0037200
Sample Date		Client Info		12 Aug 2023	13 Jan 2023	01 Dec 2022
Machine Age	hrs	Client Info		52602	52005	51722
Oil Age	hrs	Client Info		900	900	600
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	104	69	19
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	2	3	1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	2	2	<1
Tin	ppm	ASTM D5185m	>8	<1	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	2	<1	<1	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	2	2
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	31	28	28
Calcium	ppm	ASTM D5185m	3114	2988	3036	2924
Phosphorus	ppm	ASTM D5185m	1099	946	1010	937
Zinc	ppm	ASTM D5185m	1245	1193	1217	1154
Sulfur	ppm	ASTM D5185m	7086	7512	7999	7859
CONTAMINAN		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>400	28	21	12
Sodium	ppm	ASTM D5185m	>400	<1	0	1
Potassium	ppm	ASTM D5185m	>20	0	2	0
VISUAL	1-1-	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	
Silt		*Visual	NONE	NONE	NONE	NONE NONE
Debris	scalar scalar		NONE	NONE	NONE	NONE
Sand/Dirt		*Visual			NONE	
_	scalar	*Visual	NONE	NONE		NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water Free Water	scalar	*Visual	>0.2	NEG	NEG NEG	NEG NEG
	scalar	visuai		NEG	INEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

cSt

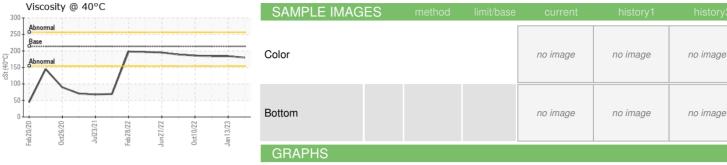
ASTM D445 213.9

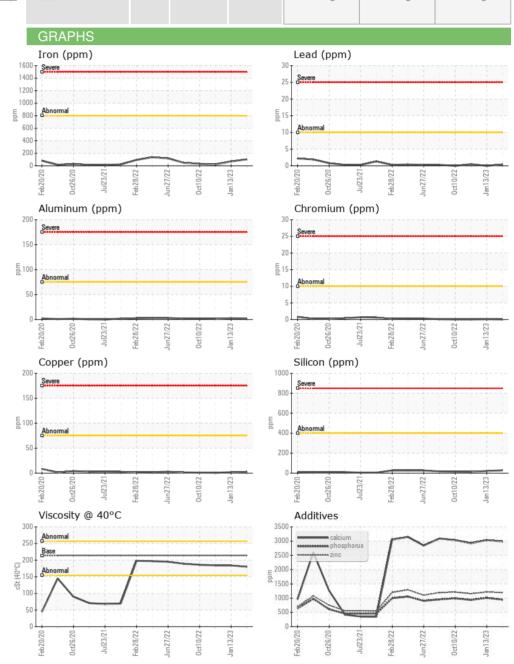
180

184



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: PCA0084836 : 05928994 : 10608941 Test Package : MOB 1

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Aug 2023

: 20 Aug 2023 Diagnosed Diagnostician : Wes Davis

Kemp Quarries - River Valley - Backbone

5600 S Hwy 253 Huntington, AR US 72940

Contact:

T:

F:

backbone@rivervalleyquarries.com

\* - 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)