

NORMAL WEAR CONTAMINATION NORMAL FLUID CONDITION **ATTENTION** 



# KEMP QUARRIES / BCS - GRAVETTE [69060]

Compone **Rear Differential** 

## PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm1)

#### **WEAR**

All component wear rates are normal.

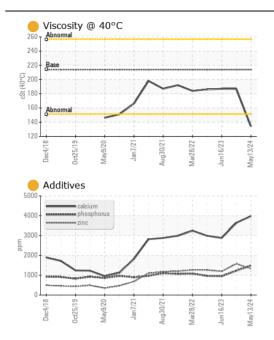
#### CONTAMINATION

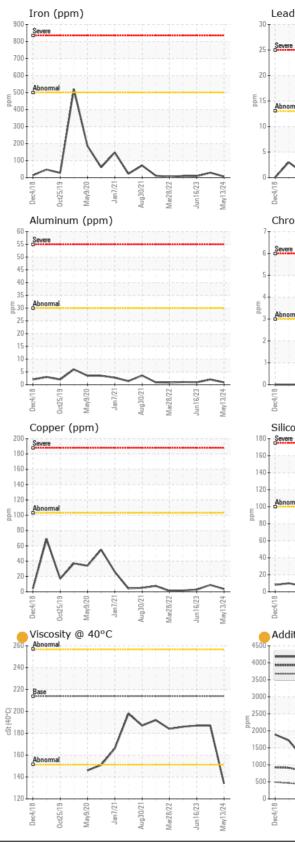
There is no indication of any contamination in the oil.

### **UID CONDITION**

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

	*					
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0108488	PCA0069839	PCA0086352
Sample Date		Client Info		13 May 2024	21 Jan 2024	16 Jun 2023
Machine Age	hrs	Client Info		399020	399020	39423
Oil Age	hrs	Client Info		399020	299020	39423
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
			. 500	e	20	0
Iron	ppm	ASTM D5185m	>500	6	29	8
Chromium	ppm	ASTM D5185m	>3	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	2	<1
Lead	ppm	ASTM D5185m	>13	0	0	0
Copper	ppm	ASTM D5185m	>103	4	9	3
Tin	ppm	ASTM D5185m	>5	0	0	<1
Vanadium	ppm	ASTM D5185m	NONE	<1		0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>100	15	9	5
Potassium	ppm	ASTM D5185m	>20	2	3	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE		NONE
Sand/Dirt	agalar				NONE	NONL
	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual *Visual	NONE NORML	-		
Appearance Odor			-	NONE	NONE	NONE
	scalar	*Visual	NORML	NONE NORML	NONE	NONE
Odor	scalar scalar scalar	*Visual *Visual	NORML	NONE NORML NORML	NONE NORML NORML	NONE NORML NORML
Odor Emulsified Water	scalar scalar	*Visual *Visual *Visual	NORML	NONE NORML NORML NEG	NONE NORML NORML NEG	NONE NORML NORML NEG
Odor Emulsified Water Sodium	scalar scalar scalar ppm	*Visual *Visual *Visual ASTM D5185m	NORML NORML >.2	NONE NORML NORML NEG 0	NONE NORML NEG 0	NONE NORML NORML NEG 2
Odor Emulsified Water Sodium Boron	scalar scalar scalar ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m	NORML NORML >.2 2	NONE NORML NORML NEG 0 141	NONE NORML NORML NEG 0 8	NONE NORML NORML NEG 2 3
Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0	NONE NORML NORML NEG 0 141 0	NONE NORML NEG 0 8 0	NONE NORML NEG 2 3 0
Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0	NONE NORML NORML NEG 0 141 0 4	NONE NORML NEG 0 8 0 2	NONE NORML NEG 2 3 0 2
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0 0 0	NORML NORML NEG 0 141 0 4 <1	NONE NORML NEG 0 8 0 2 0	NONE NORML NEG 2 3 0 2 <1
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0 0 0 9	NONE NORML NORML NEG 0 141 0 4 <1 25	NONE NORML NEG 0 8 0 2 0 2 0 42	NONE NORML NEG 2 3 0 2 <1 31
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0 0 0 9 3114	NONE NORML NEG 0 141 0 4 <1 25 3986	NONE NORML NEG 0 8 0 2 0 2 0 42 3639	NONE NORML NEG 2 3 0 2 <1 31 2882
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0 0 0 9 3114 1099	NONE NORML NEG 0 141 0 4 <1 25 3986 1487	NONE NORML NEG 0 8 0 2 0 2 0 42 3639 1228	NONE NORML NEG 2 3 0 2 2 3 0 2 2 3 1 2882 949
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >.2 2 0 0 0 0 0 0 9 3114 1099 1245	NONE NORML NORML NEG 0 141 0 4 <1 25 3986 1487 1329	NONE NORML NEG 0 8 0 2 0 2 0 42 3639 1228 1574	NONE NORML NORML 2 3 0 2 2 31 2882 949 1195





: WearCheck USA - 501 Madison Ave., Cary, NC 27513

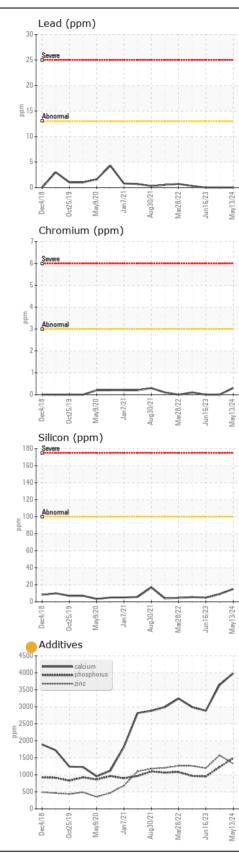
Received

Diagnosed

Tested

: 23 May 2024

: 30 May 2024





Kemp Quarries - Benton County Stone - Gravette 15100 N Hwy 59 Sulphur Springs, AR : 30 May 2024 - Angela Borella US 72768 Contact: gravette@bentoncountystone.com Т: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Laboratory

Sample No.

Lab Number : 06189820

Unique Number : 11046572

Test Package : MOB 1

: PCA0108488

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.

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