



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**KEMP QUARRIES / BCS - STILLWELL [70210]**  
Machine Id  
**CRSH042**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX AW 68 (--- GAL)**

**RECOMMENDATION**

We advise that you check for the source of water entry. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Changed filters )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0109328</b>	PCA0038183	PCA0038281
Sample Date		Client Info		<b>03 Apr 2024</b>	01 Jul 2021	26 Mar 2021
Machine Age	hrs	Client Info		<b>956</b>	10762	10363
Oil Age	hrs	Client Info		<b>956</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>5</b>	7	5
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>6</b>	6	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

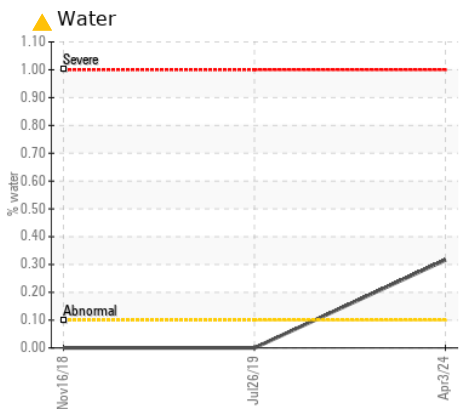
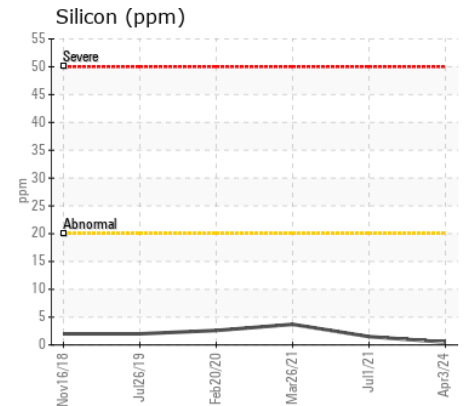
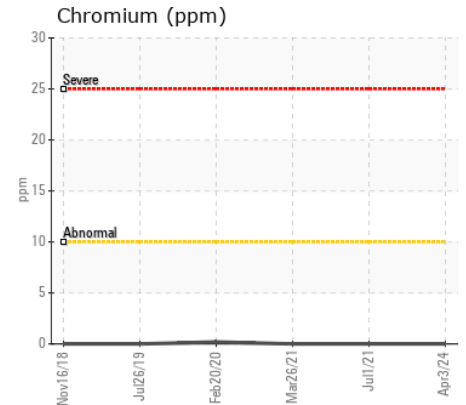
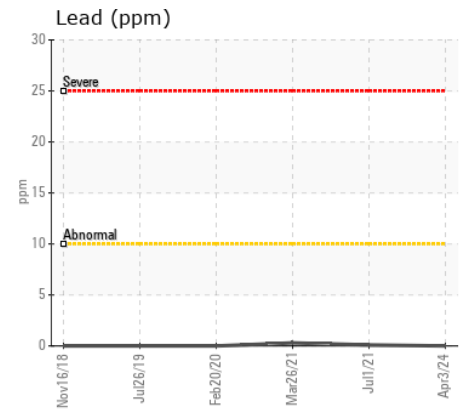
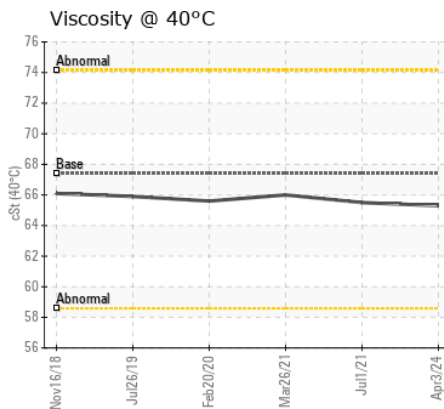
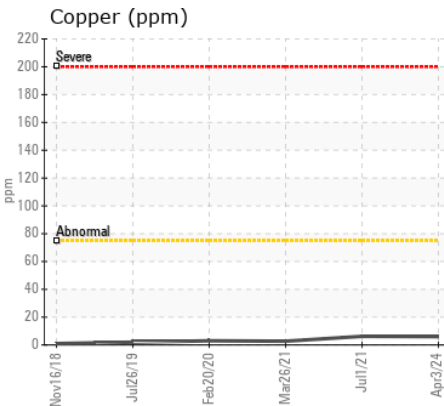
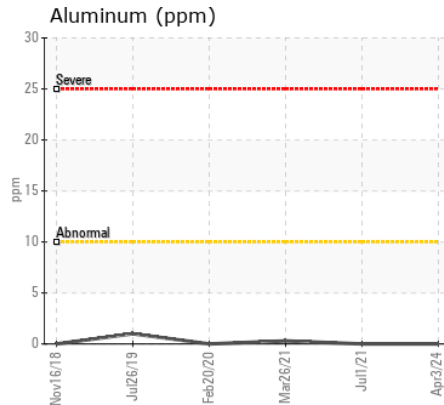
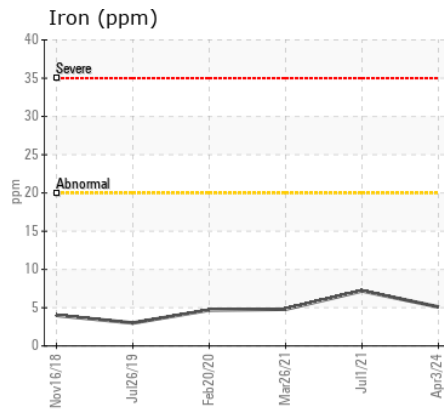
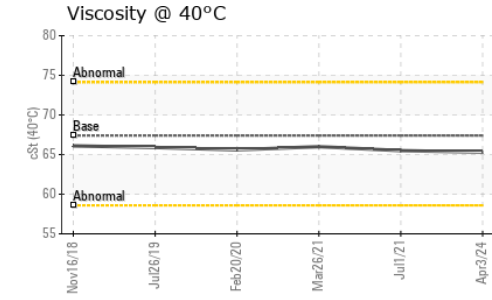
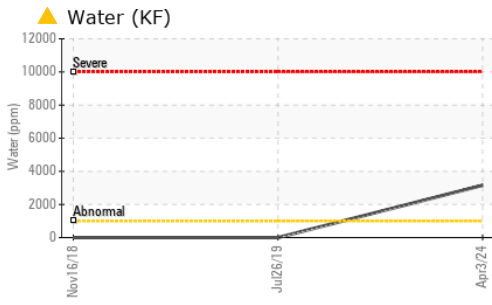
Appearance is milky. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	4
Water	%	ASTM D6304	>0.1	<b>▲ 0.316</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 3160</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	<b>▲ MODER</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>● MILKY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Boron	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	9	6
Calcium	ppm	ASTM D5185m	50	<b>83</b>	131	135
Phosphorus	ppm	ASTM D5185m	330	<b>362</b>	429	427
Zinc	ppm	ASTM D5185m	430	<b>458</b>	585	600
Sulfur	ppm	ASTM D5185m	760	<b>5108</b>	4986	5402
Visc @ 40°C	cSt	ASTM D445	67.4	<b>65.3</b>	65.5	66.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109328 **Received** : 15 Apr 2024  
**Lab Number** : 06149211 **Tested** : 18 Apr 2024  
**Unique Number** : 10979289 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: KF )

**Kemp Quarries - Benton County Stone - Stillwell**  
 463917 Highway 100  
 Bunch, OK  
 US 74931  
 Contact:

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

stillwell@bentoncountystone.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)

T:  
F: