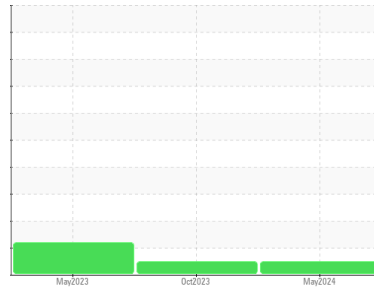


OIL ANALYSIS REPORT

Area
KEMP QUARRIES / BCS - STILLWELL [68279]
 Machine Id
WL144
 Component
Front Differential
 Fluid
PETRO CANADA HYDREX AW 68 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)

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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0109093	PCA0086991	PCA0085708
Sample Date	Client Info		20 May 2024	17 Oct 2023	05 May 2023
Machine Age	hrs	Client Info	23340	22822	22358
Oil Age	hrs	Client Info	23340	22822	22358
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	223	274	▲ 517
Chromium	ppm	ASTM D5185m >10	2	1	3
Nickel	ppm	ASTM D5185m >10	2	3	5
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	1	0	0
Aluminum	ppm	ASTM D5185m >25	<1	2	1
Lead	ppm	ASTM D5185m >25	3	3	8
Copper	ppm	ASTM D5185m >100	9	10	23
Tin	ppm	ASTM D5185m >10	<1	<1	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	6	8	29
Barium	ppm	ASTM D5185m 0	0	9	0
Molybdenum	ppm	ASTM D5185m 0	13	8	17
Manganese	ppm	ASTM D5185m 0	2	2	4
Magnesium	ppm	ASTM D5185m 0	137	51	84
Calcium	ppm	ASTM D5185m 50	766	818	3046
Phosphorus	ppm	ASTM D5185m 330	491	508	874
Zinc	ppm	ASTM D5185m 430	599	600	1055
Sulfur	ppm	ASTM D5185m 760	1592	1707	3327

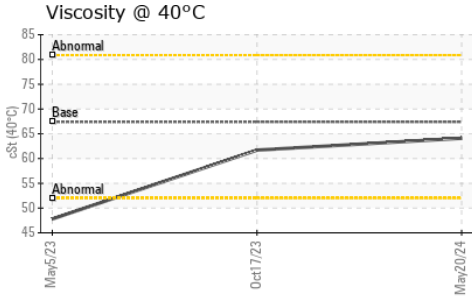
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	10	11	15
Sodium	ppm	ASTM D5185m	<1	0	0
Potassium	ppm	ASTM D5185m >20	1	1	2

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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

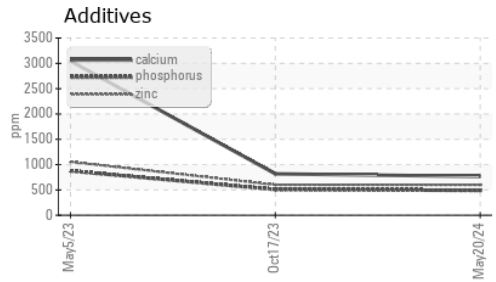
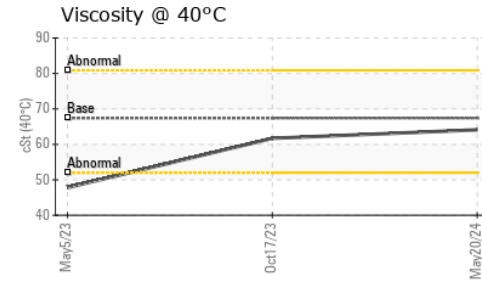
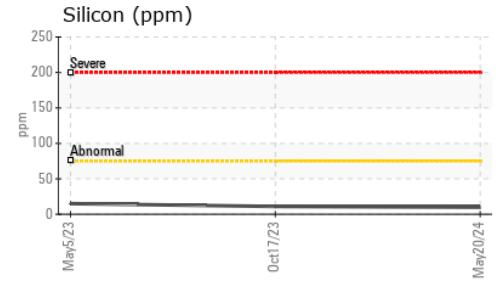
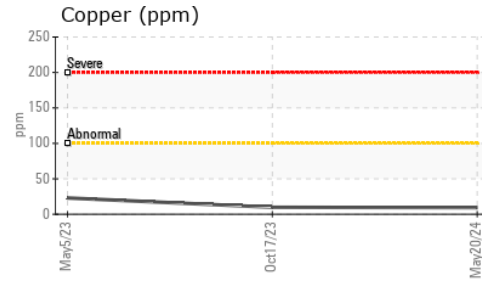
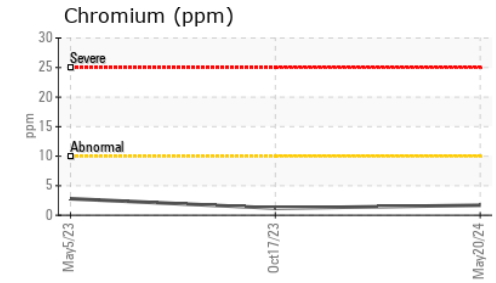
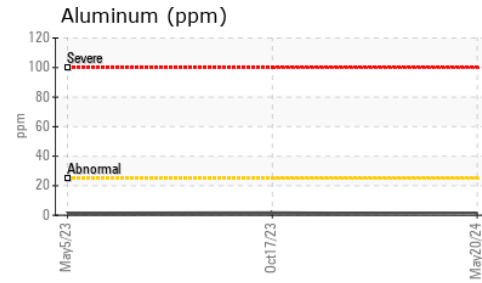
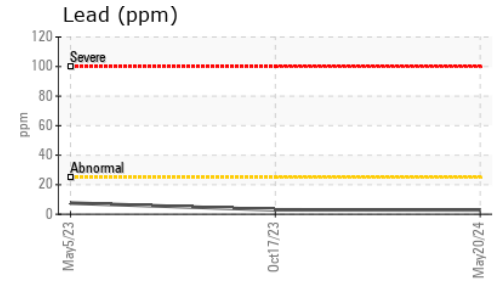
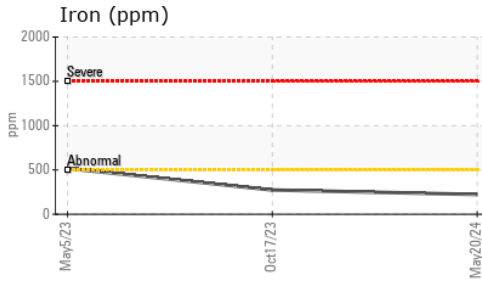


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	67.4	64.1	61.7	● 47.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109093
Lab Number : 06193083
Unique Number : 11049835
Test Package : MOB 1

Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Sean Felton

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.

* - 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)

stilwell@bentoncountystone.com

T:
F: