

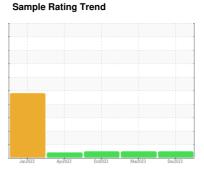
OIL ANALYSIS REPORT

KEMP QUARRIES / BCS - MILL CREEK [64804] **TTH033**

Component

Hydraulic System

PETRO CANADA HYDREX AW 68 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-4, fluid was replaced approx 5 hrs previous due to catastrophic failure.)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0070639	PCA0086082	PCA0070257
Sample Date		Client Info		01 Dec 2023	23 Mar 2023	21 Oct 2022
Machine Age	hrs	Client Info		16118	16118	15664
Oil Age	hrs	Client Info		16552	16118	15664
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	7	8
Chromium	ppm	ASTM D5185m	>10	0	1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	1	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	0	<1	<1
Tin	ppm	ASTM D5185m	>10	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	0	2	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	2	1
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	0	7	26	13
Calcium	ppm	ASTM D5185m	50	99	133	187
Phosphorus	ppm	ASTM D5185m	330	361	361	380
Zinc	ppm	ASTM D5185m	430	437	457	467
Sulfur	ppm	ASTM D5185m	760	1065	1129	1346
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm		>20	2	4	7
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
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

NONE

NONE

NORML

NORML

>0.1

scalar

scalar

scalar

*Visual

*Visual

*Visual

scalar *Visual

scalar *Visual

scalar *Visual

NONE

NONE

NORML

NORML

NEG

NEG

NONE

NONE

NORML

NORML

NEG

NEG

Debris

Odor

Sand/Dirt

Appearance

Free Water

Emulsified Water

VLITE

NORML

NORML

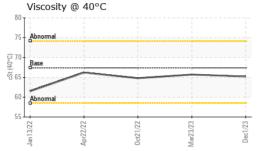
NEG

NEG

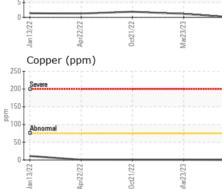
NONE

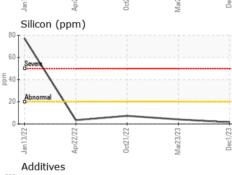


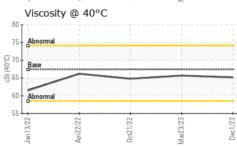
OIL ANALYSIS REPORT

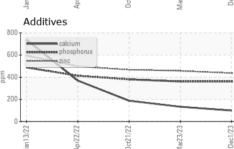














Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0070639 : 06032971

: 10782762

Recieved : 12 Dec 2023 Diagnosed Diagnostician : Don Baldridge

: 15 Dec 2023

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.

Kemp Quarries - BCS-Mill Creek

Test Package : MOB 1 Certificate L2367

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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T:

F: