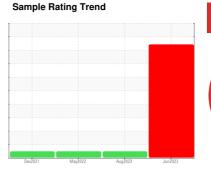


## **OIL ANALYSIS REPORT**

# KEMP QUARRIES / KEMP STONE - FAIRLAND **OHT123**

Component **Hydraulic System** 

PETRO CANADA HYDREX AW 68 (--- GAL)





### **DIAGNOSIS**

#### Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. (Customer Sample Comment: PM-3 changed filters)

#### Wear

The copper level is severe. Bearing and/or bushing wear is indicated.

#### Contamination

There is no indication of any contamination in the

#### ▲ Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

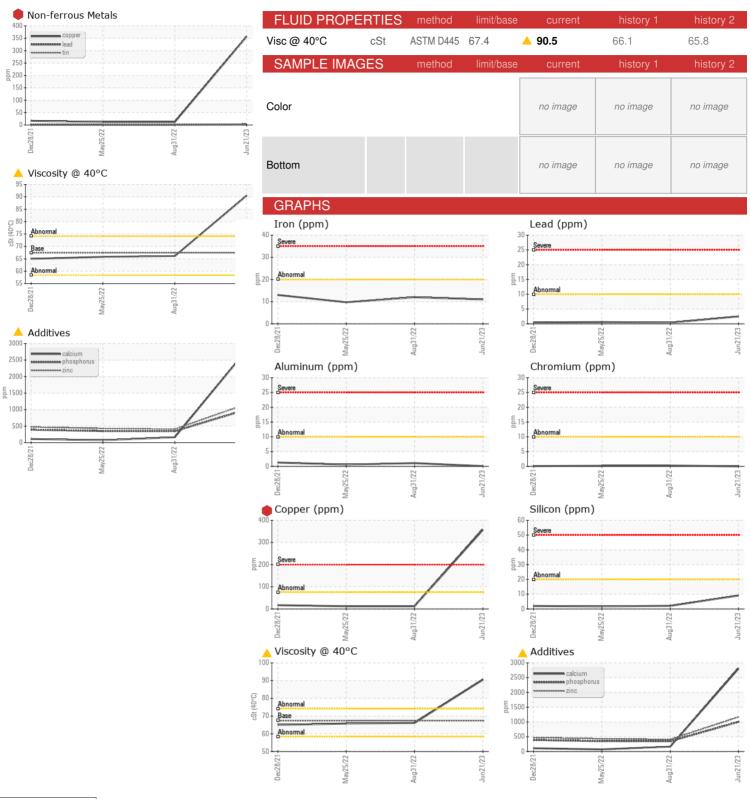
)		Dec202	1 May2022	Aug2022 Ju	n2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0086313	PCA0062459	PCA0061929
Sample Date		Client Info		21 Jun 2023	31 Aug 2022	25 May 2022
Machine Age	hrs	Client Info		37279	36774	36356
Oil Age	hrs	Client Info		37279	36774	36356
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL
WEAR METAI	LS	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>20	11	12	10
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	2	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
Lead	ppm	ASTM D5185m	>10	2	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>357</b>	12	12
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	2	2	2
Barium	ppm	ASTM D5185m	0	14	0	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	<u> </u>	6	5
Calcium	ppm	ASTM D5185m	50	<b>2806</b>	164	72
Phosphorus	ppm	ASTM D5185m	330	<u> </u>	347	350
Zinc	ppm	ASTM D5185m	430	<u> </u>	407	430
Sulfur	ppm	ASTM D5185m	760	<b>4594</b>	927	852
CONTAMINA	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	9	2	2
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG
F 14/ .		43.77			1150	1150

Free Water

scalar \*Visual



# **OIL ANALYSIS REPORT**





Certificate L2367

Laboratory Sample No. Lab Number

**Unique Number** 

: PCA0086313 : 05888585 : 10539068 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Jun 2023

Diagnosed : 05 Jul 2023 Diagnostician : Don Baldridge

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)

Kemp Quarries - Kemp Stone - Fairland

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T:

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