

# **OIL ANALYSIS REPORT**



history1

history2

current

## KEMP QUARRIES / BCS - STILLWELL WL068 Component

**Hydraulic System** 

PETRO CANADA HYDREX AW 68 (--- GAL)

### DIAGNOSIS Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. (Customer Sample Comment: PM-3 changed filters (fluid is duron shp 15w40) )

#### A Wear

The iron level is abnormal. The aluminum level is abnormal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

Sample Number		Client Info		PCA0086438	PCA0086168	PCA0037990
Sample Date		Client Info		05 Jul 2023	04 Mar 2023	18 Oct 2021
Machine Age	hrs	Client Info		23571	23003	21950
Oil Age	hrs	Client Info		21380	20812	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>A</b> 33	8	4
Chromium	ppm	ASTM D5185m	>10	<1	2	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	38	2	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				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	2	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	<b>4</b> 6	1
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>A</b> 37	<b>▲</b> 768	12
Calcium	ppm	ASTM D5185m	50	<u> </u>	▲ 886	94
Phosphorus	ppm	ASTM D5185m	330	<b>920</b>	<b>9</b> 02	336
Zinc	ppm	ASTM D5185m	430	<u> </u>	<b>1</b> 062	424
Sulfur	ppm	ASTM D5185m	760	<b>4454</b>	▲ 3245	842
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	8	2
Sodium	ppm	ASTM D5185m		1	2	0
Potassium	ppm	ASTM D5185m	>20	2	<1	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	LIGHT	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
Free Water	scalar	*Visual		NEG	NEG	NEG

limit/base



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