

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

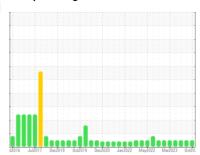


KEMP QUARRIES / RIVER VALLEY OZARK Machine Id WL112

Component

Hydraulic System

PETRO CANADA HYDREX AW 68 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

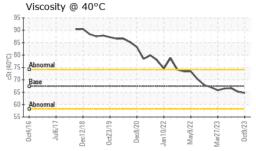
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0069681	PCA0069728	PCA0069768
Sample Date		Client Info		09 Oct 2023	25 Aug 2023	05 Jul 2023
Machine Age	hrs	Client Info		34927	34674	34304
Oil Age	hrs	Client Info		31552	31552	31552
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	7	5	12
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	6	10
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	2	2	3
Tin	ppm	ASTM D5185m	>10	<1	<1	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	4	4	4
Barium	ppm	ASTM D5185m	0	2	2	0
Molybdenum	ppm	ASTM D5185m	0	7	6	6
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	0	42	30	52
Calcium	ppm	ASTM D5185m	50	235	262	400
Phosphorus	ppm	ASTM D5185m	330	400	387	453
Zinc	ppm	ASTM D5185m	430	526	515	566
Sulfur	ppm	ASTM D5185m	760	1328	1184	1614
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	12	9	17
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	2	5
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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	64.7	65.2	66.6
4.00.00\ Day / 4						College State of Door



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SAMPLE IMAGES	method	limit/base	current	history1	history2		
Color			no image	no image	no image		
Bottom			no image	no image	no image		

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Laboratory Sample No. Lab Number Unique Number : 10696468 Test Package : MOB 1

: 05979173

: PCA0069681

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Oct 2023 Diagnosed

: 17 Oct 2023 Diagnostician : Sean Felton Kemp Quarries - River Valley - Ozark

9446 N Hwy 309 Ozark, AR US 72949

Contact:

ozark@rivervalleyquarries.com

T: F:

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)