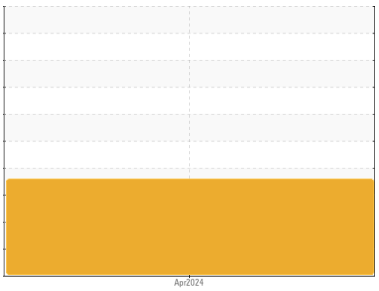
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Sample Rating Trend



WATER

Area
[70425]
Machine Id
MG007
Component
Left Tandem
Fluid
PETRO CANADA HYDREX AW 68 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: New purchase PM-4 changed fluid)

Wear
All component wear rates are normal.

Contamination
There is a moderate concentration of water present in the oil.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0109348**	---	---
Sample Date		Client Info		**15 Apr 2024**	---	---
Machine Age	hrs	Client Info		**11667**	---	---
Oil Age	hrs	Client Info		**11667**	---	---
Oil Changed		Client Info		**Changed**	---	---
Sample Status				**ABNORMAL**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>425	**57**	---	---
Chromium	ppm	ASTM D5185m	>5	**<1**	---	---
Nickel	ppm	ASTM D5185m	>5	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>5	**<1**	---	---
Lead	ppm	ASTM D5185m		**0**	---	---
Copper	ppm	ASTM D5185m	>8	**<1**	---	---
Tin	ppm	ASTM D5185m		**<1**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**7**	---	---
Barium	ppm	ASTM D5185m	0	**<1**	---	---
Molybdenum	ppm	ASTM D5185m	0	**<1**	---	---
Manganese	ppm	ASTM D5185m	0	**<1**	---	---
Magnesium	ppm	ASTM D5185m	0	**18**	---	---
Calcium	ppm	ASTM D5185m	50	● **2476**	---	---
Phosphorus	ppm	ASTM D5185m	330	● **1209**	---	---
Zinc	ppm	ASTM D5185m	430	● **1264**	---	---
Sulfur	ppm	ASTM D5185m	760	● **4774**	---	---

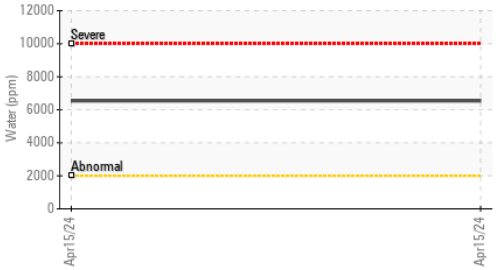
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**7**	---	---
Sodium	ppm	ASTM D5185m		**2**	---	---
Potassium	ppm	ASTM D5185m	>20	**2**	---	---
Water	%	ASTM D6304	>0.2	▲ **0.654**	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ **6540**	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**MODER**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ **0.2%**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

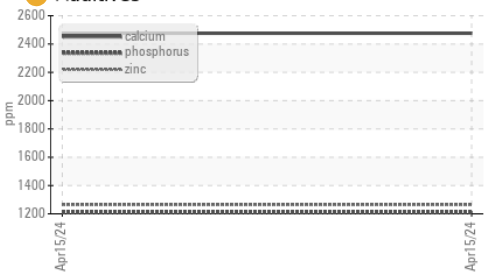
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Water (KF)



Additives



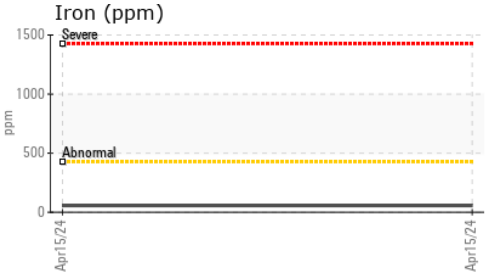
Additives

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	**50.9**	---	---

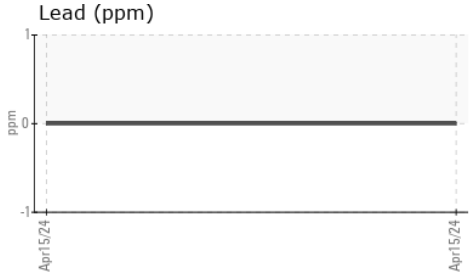
SAMPLE IMAGES				current	history1	history2
Color				*no image*	*no image*	*no image*
Bottom				*no image*	*no image*	*no image*

GRAPHS

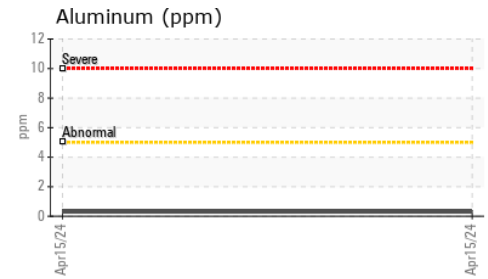
Iron (ppm)



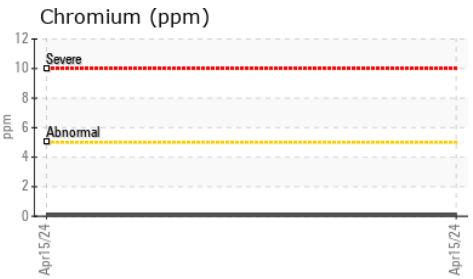
Lead (ppm)



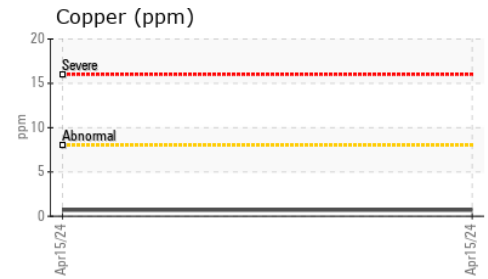
Aluminum (ppm)



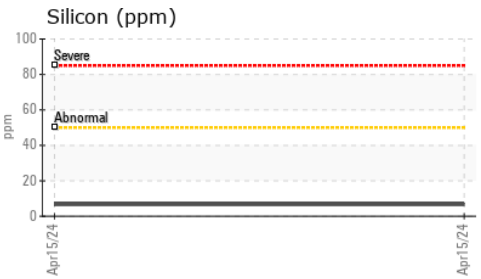
Chromium (ppm)



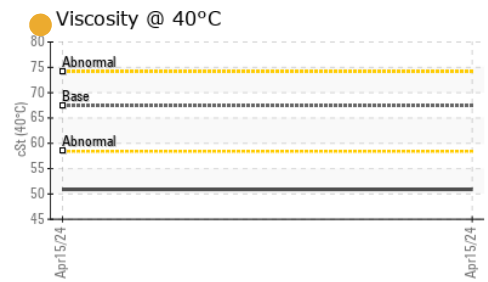
Copper (ppm)



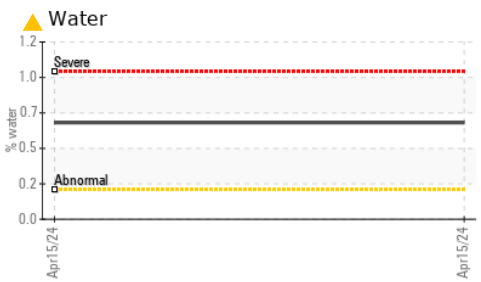
Silicon (ppm)



Viscosity @ 40°C



Water



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109348
Lab Number : 06156350
Unique Number : 10991773
Test Package : MOB 1 (Additional Tests: KF)

Received : 22 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Sean Felton

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 - Pryor Stone - Pryor
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Pryor, OK
US 74361
Contact:
pryor@pryorstone.com
T:
F:

Report Id: KEMPRY [WUSCAR] 06156350 (Generated: 04/24/2024 15:07:38) Rev: 1

Submitted By: