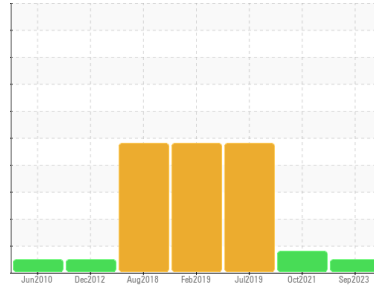


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / PRYOR STONE [66330]
Machine Id
TTT004
Component
Transmission (Manual)
Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-4 changed fluid and filters)

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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0086486	PCA0011198	PCA14309021
Sample Date	Client Info		20 Sep 2023	08 Oct 2021	23 Jul 2019
Machine Age	hrs	Client Info	5517	5517	4737
Oil Age	hrs	Client Info	5517	4737	0
Oil Changed	Client Info		Changed	Changed	N/A
Sample Status			NORMAL	ABNORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	158	▲ 479	167
Chromium	ppm	ASTM D5185m >5	<1	2	1
Nickel	ppm	ASTM D5185m >5	0	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m >7	0	<1	0
Aluminum	ppm	ASTM D5185m >25	4	10	11
Lead	ppm	ASTM D5185m >45	<1	<1	0
Copper	ppm	ASTM D5185m >225	1	5	5
Tin	ppm	ASTM D5185m >10	<1	1	0
Antimony	ppm	ASTM D5185m	---	<1	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	7	20	36
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	<1	6	28
Manganese	ppm	ASTM D5185m 9	2	4	0
Magnesium	ppm	ASTM D5185m 1	31	99	457
Calcium	ppm	ASTM D5185m 3131	2660	2887	1585
Phosphorus	ppm	ASTM D5185m 1194	950	1016	819
Zinc	ppm	ASTM D5185m 1281	1182	1222	965
Sulfur	ppm	ASTM D5185m 3811	4319	6549	---

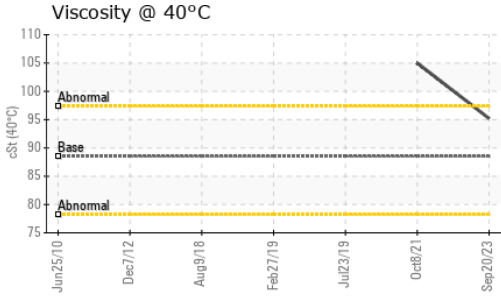
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	27	77	● 56
Sodium	ppm	ASTM D5185m	1	4	5
Potassium	ppm	ASTM D5185m >20	0	3	4

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

OIL ANALYSIS REPORT

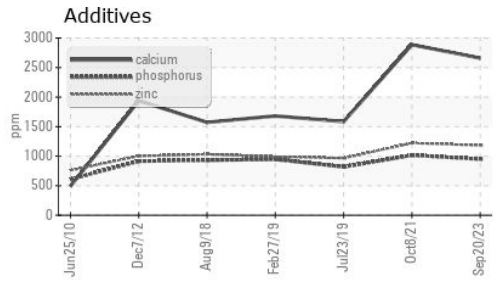
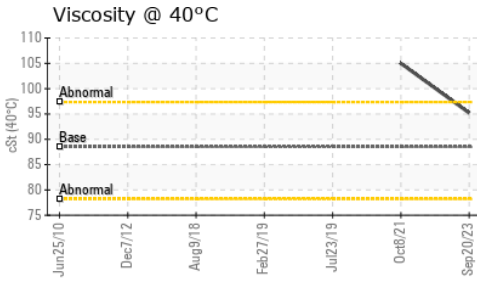
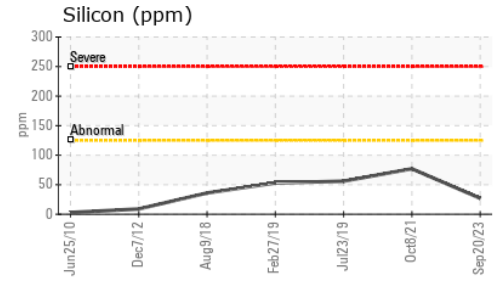
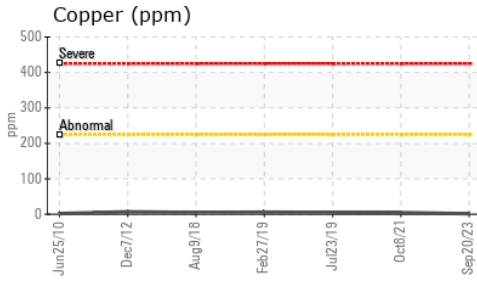
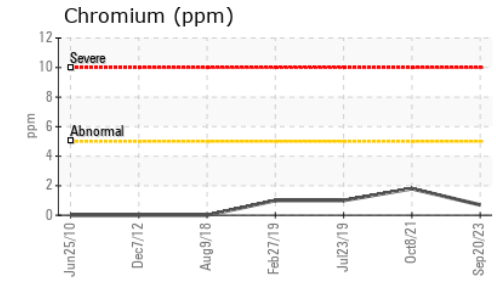
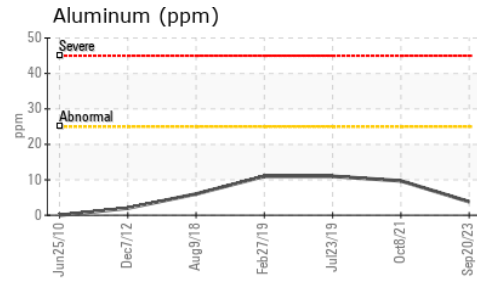
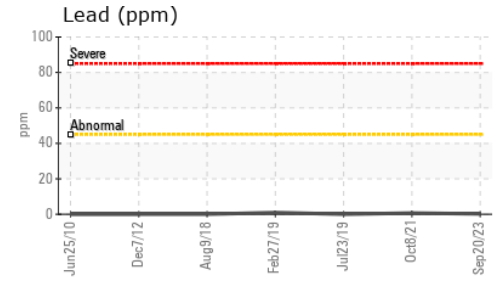
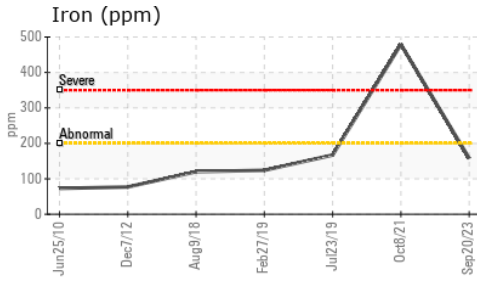


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	95.2	105	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0086486 **Received** : 02 Oct 2023
Lab Number : 05966752 **Diagnosed** : 04 Oct 2023
Unique Number : 10673303 **Diagnostician** : Don Baldrige
Test Package : MOB 1

Kemp Quarries - Pryor Stone - Pryor
 1050 E 520 Rd
 Pryor, OK
 US 74361
 Contact:
 pryor@pryorstone.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)