

Area
KEMP QUARRIES / SELIGMAN [68982]

Machine Id
TTH035

Component
Right Final Drive

Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109201	PCA0070604	PCA0086708
Sample Date		Client Info		12 Jun 2024	16 Nov 2023	06 Jan 2023
Machine Age	hrs	Client Info		8956	8511	8046
Oil Age	hrs	Client Info		8956	8511	8046
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	313	204	329
Chromium	ppm	ASTM D5185m	>10	3	2	5
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		1	<1	2
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	16	11	22
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	1	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

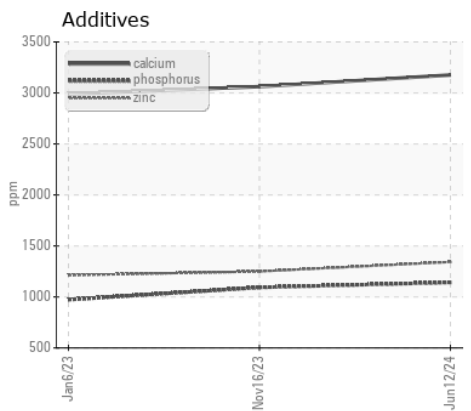
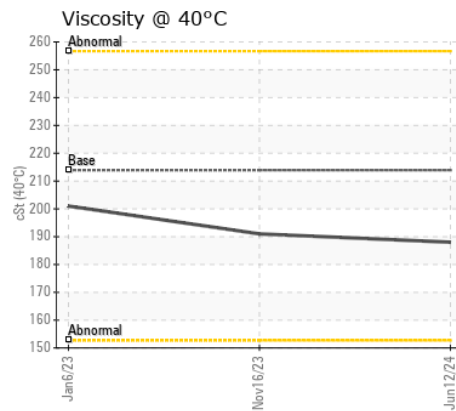
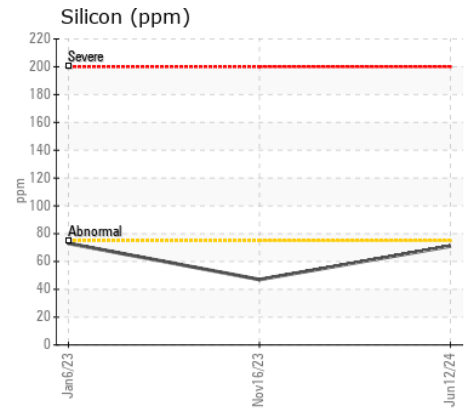
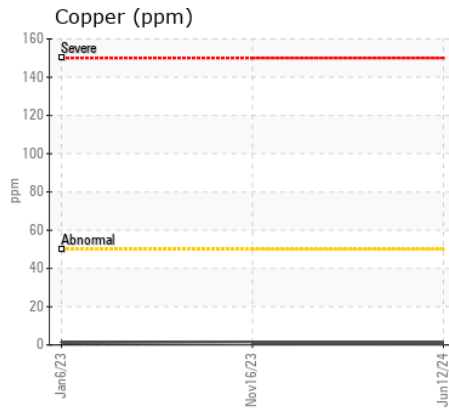
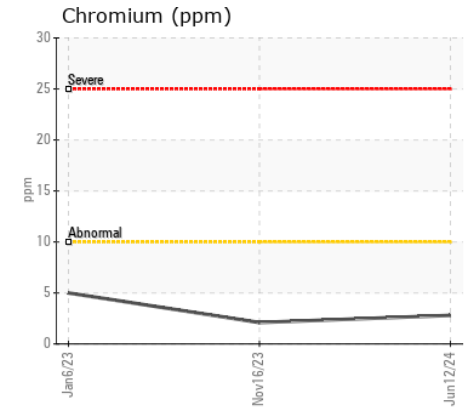
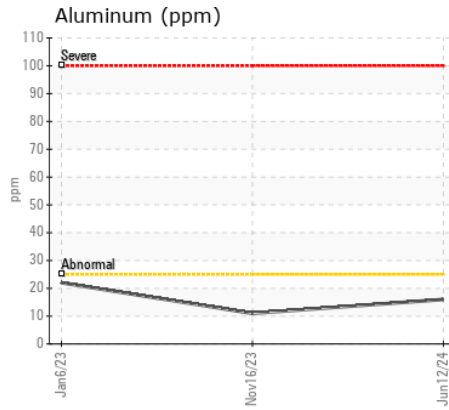
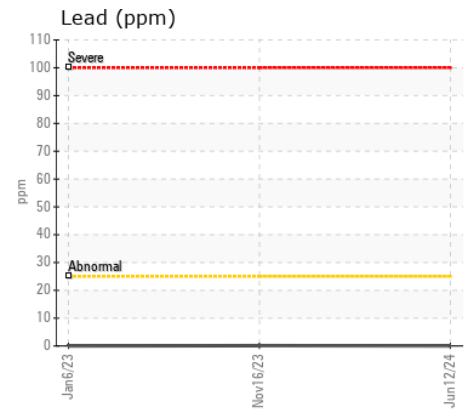
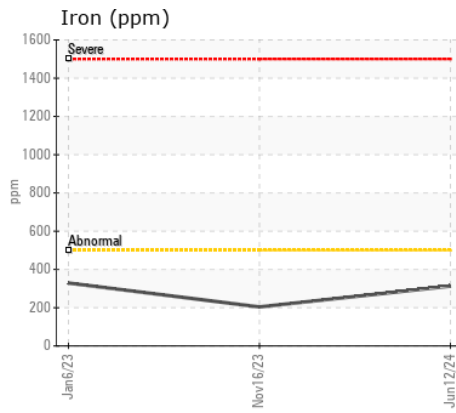
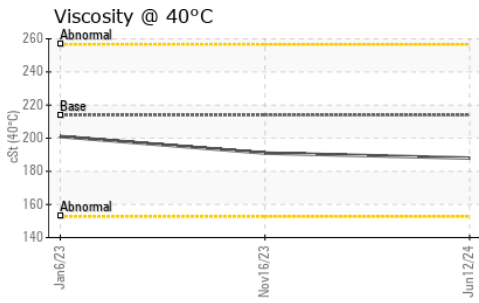
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	71	47	73
Potassium	ppm	ASTM D5185m	>20	5	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	4	4
Boron	ppm	ASTM D5185m	2	1	0	1
Barium	ppm	ASTM D5185m	0	0	0	1
Molybdenum	ppm	ASTM D5185m	0	<1	2	4
Manganese	ppm	ASTM D5185m	0	3	1	3
Magnesium	ppm	ASTM D5185m	9	25	20	34
Calcium	ppm	ASTM D5185m	3114	3176	3062	2989
Phosphorus	ppm	ASTM D5185m	1099	1142	1093	973
Zinc	ppm	ASTM D5185m	1245	1343	1250	1213
Sulfur	ppm	ASTM D5185m	7086	8364	6439	14410
Visc @ 40°C	cSt	ASTM D445	213.9	188	191	201



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : PCA0109201

Lab Number : 06216398

Unique Number : 11089262

Test Package : MOB 1

Received : 20 Jun 2024

Tested : 21 Jun 2024

Diagnosed : 23 Jun 2024 - Don Baldrige

Kemp Quarries - BCS - Seligman

8261 Farm rd 2295

Seligman, MO

US 65745

Contact: TECHNICIAN ACCOUNT

catherine.anastasio@wearcheck.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)