



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KEMP QUARRIES / RIVER VALLEY OZARK
Machine Id
OHT113
Component
Transmission (Manual)
Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0084433	PCA0084653	PCA0048230
Sample Date		Client Info		20 Feb 2024	01 May 2023	18 Mar 2022
Machine Age	hrs	Client Info		26095	25813	24551
Oil Age	hrs	Client Info		24551	24551	21870
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	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	28	96	68
Chromium	ppm	ASTM D5185m	>5	<1	5	<1
Nickel	ppm	ASTM D5185m	>5	0	30	0
Titanium	ppm	ASTM D5185m		<1	2	1
Silver	ppm	ASTM D5185m	>7	0	0	1
Aluminum	ppm	ASTM D5185m	>25	5	21	21
Lead	ppm	ASTM D5185m	>45	2	0	1
Copper	ppm	ASTM D5185m	>225	7	3	94
Tin	ppm	ASTM D5185m	>10	0	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

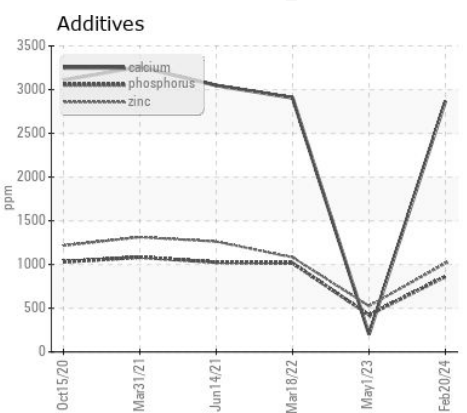
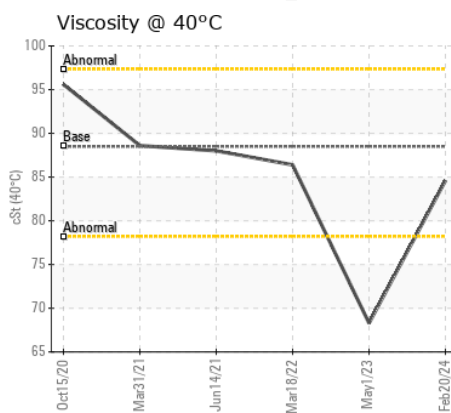
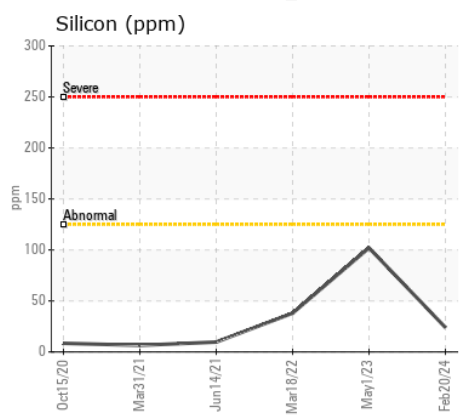
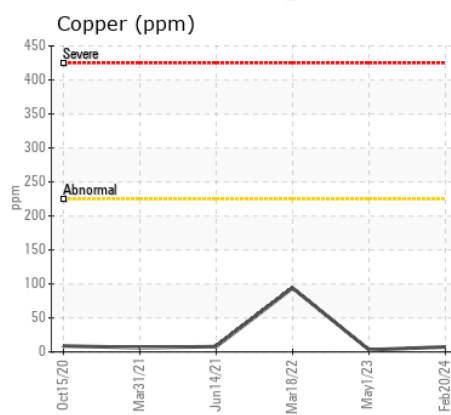
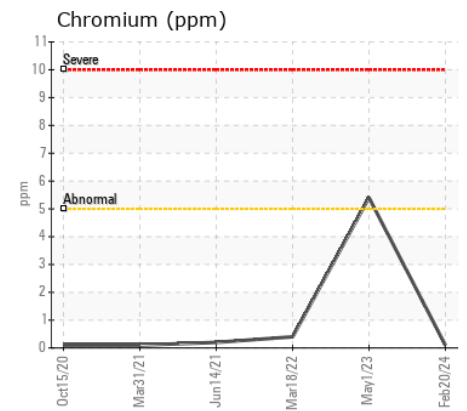
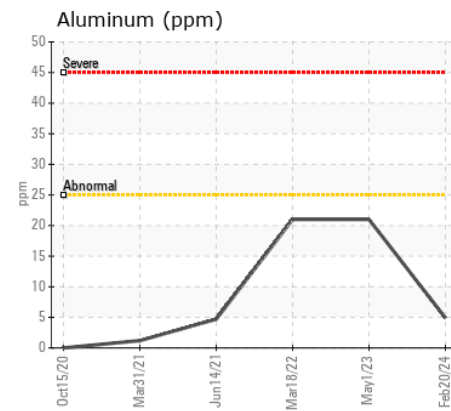
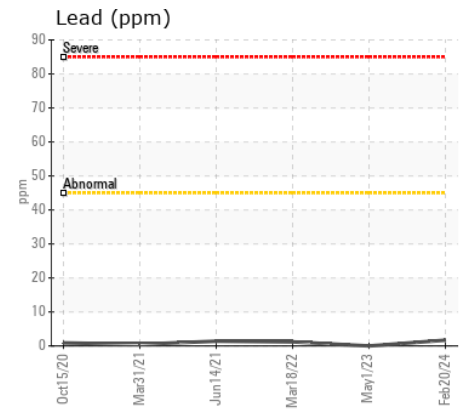
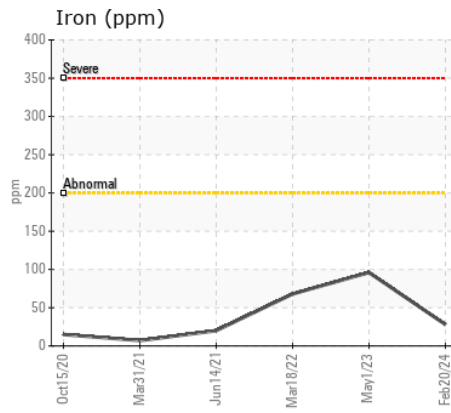
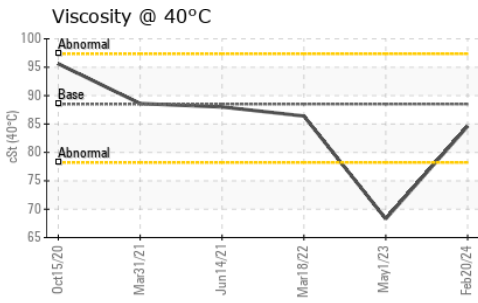
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	24	102	38
Potassium	ppm	ASTM D5185m	>20	<1	5	5
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	<1	3
Boron	ppm	ASTM D5185m	2	10	4	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	6	7	2
Manganese	ppm	ASTM D5185m	9	<1	1	<1
Magnesium	ppm	ASTM D5185m	1	37	▲ 93	25
Calcium	ppm	ASTM D5185m	3131	2868	▲ 204	2906
Phosphorus	ppm	ASTM D5185m	1194	862	▲ 423	1016
Zinc	ppm	ASTM D5185m	1281	1012	▲ 525	1082
Sulfur	ppm	ASTM D5185m	3811	3120	▲ 1070	4699
Visc @ 40°C	cSt	ASTM D445	88.5	84.6	▲ 68.3	86.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0084433
 Lab Number : 06100542
 Unique Number : 10898772
 Test Package : MOB 1

Received : 26 Feb 2024
 Tested : 27 Feb 2024
 Diagnosed : 27 Feb 2024 - Wes Davis

Kemp Quarries - River Valley - Ozark
 9446 N Hwy 309
 Ozark, AR
 US 72949

Contact: ozark@rivervalleyquarries.com

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)

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F: