



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
KEMP QUARRIES / BCS - GRAVETTE [69573]

Machine Id
WL124

Component
Transmission (Manual)

Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Pm4)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0108549	PCA0108537	PCA0086995
Sample Date		Client Info		18 Apr 2024	08 Feb 2024	12 Oct 2023
Machine Age	hrs	Client Info		38441	37365	37365
Oil Age	hrs	Client Info		38441	37365	37365
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	1	0	14
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	2
Lead	ppm	ASTM D5185m	>45	0	<1	<1
Copper	ppm	ASTM D5185m	>225	6	2	3
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

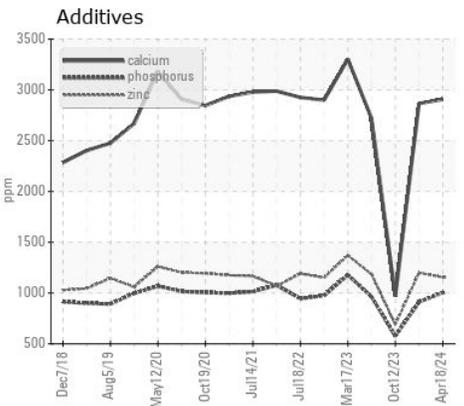
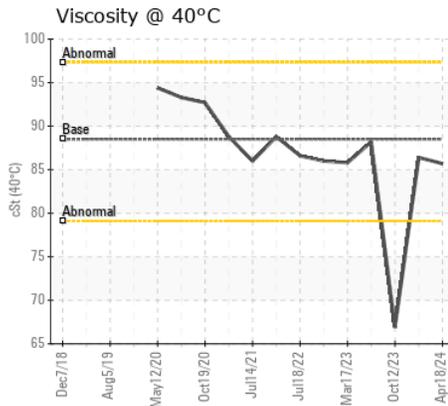
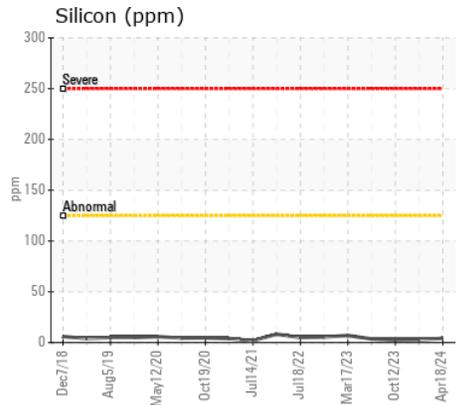
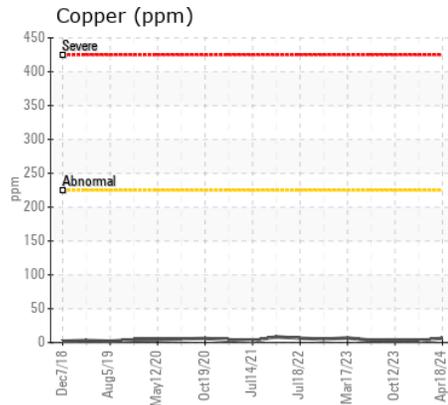
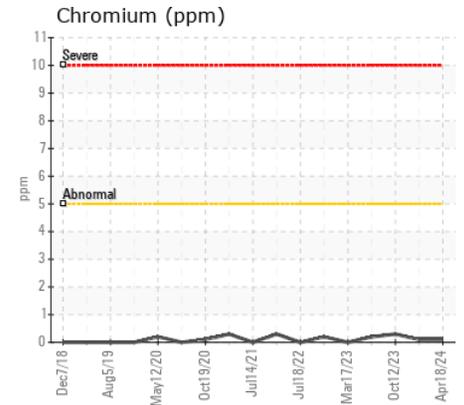
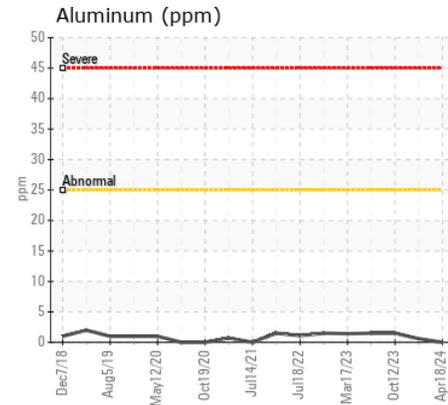
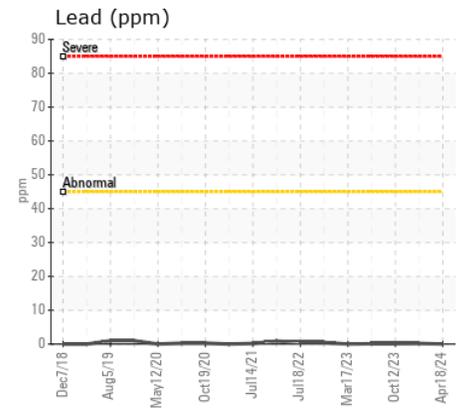
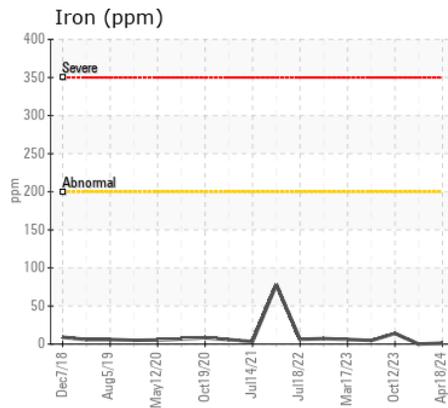
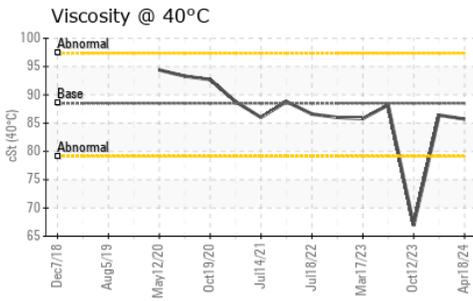
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>125	4	3	3
Potassium	ppm	ASTM D5185m	>20	0	0	2
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m	2	2	0	18
Barium	ppm	ASTM D5185m	0	1	0	10
Molybdenum	ppm	ASTM D5185m	0	0	0	19
Manganese	ppm	ASTM D5185m	9	<1	<1	0
Magnesium	ppm	ASTM D5185m	1	20	22	149
Calcium	ppm	ASTM D5185m	3131	2906	2866	968
Phosphorus	ppm	ASTM D5185m	1194	1003	911	577
Zinc	ppm	ASTM D5185m	1281	1155	1199	689
Sulfur	ppm	ASTM D5185m	3811	4541	3891	2278
Visc @ 40°C	cSt	ASTM D445	88.5	85.7	86.4	66.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0108549
 Lab Number : 06177985
 Unique Number : 11029311
 Test Package : MOB 1

Received : 13 May 2024
 Tested : 14 May 2024
 Diagnosed : 15 May 2024 - Sean Felton

Kemp Quarries - Benton County Stone - Gravette
 15100 N Hwy 59
 Sulphur Springs, AR
 US 72768

Contact: gravette@bentoncountystone.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)

T:
F: