



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KEMP QUARRIES / PRYOR STONE [70115]
Machine Id
WL103
Component
Front Left Final Drive
Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Pm3 performed. All oil samples taken. Engine oil, engine oil filters, fuel filters, air filters, and cabin air filters changed.)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0108881	PCA0086340	PCA0084383
Sample Date		Client Info		27 Jun 2024	23 Feb 2024	02 Dec 2023
Machine Age	hrs	Client Info		40814	40226	39780
Oil Age	hrs	Client Info		1565	977	531
Filter Age	hrs	Client Info		588	977	531
Oil Changed		Client Info		Oil Added	Changed	Oil Added
Filter Changed		Client Info		Not Chngd	Changed	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	3	5	2
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	1	2	3
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	1	<1	<1
Tin	ppm	ASTM D5185m	>8	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

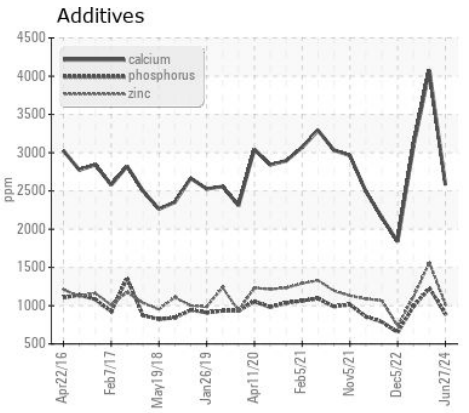
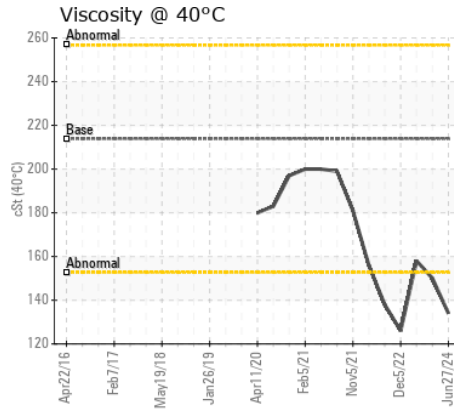
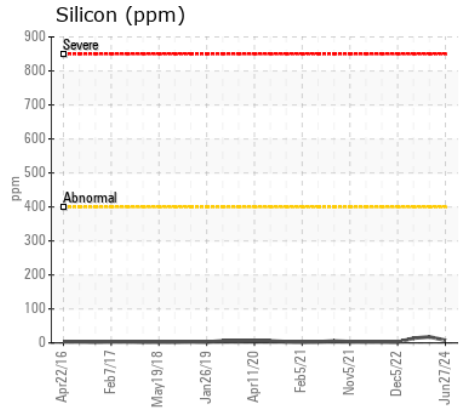
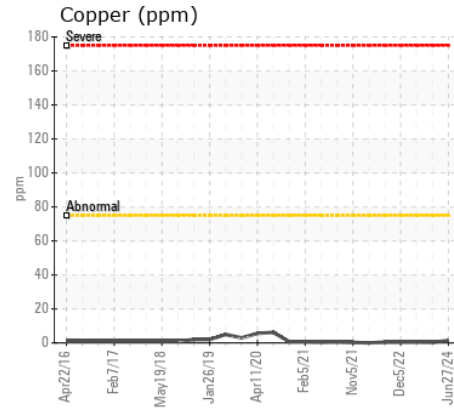
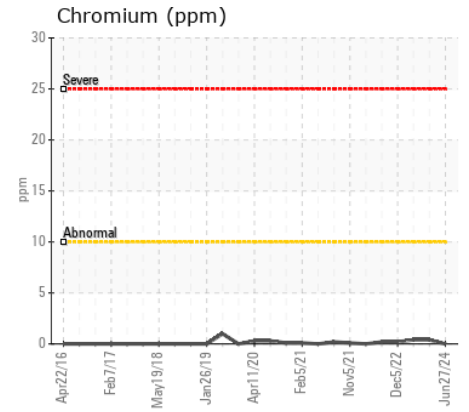
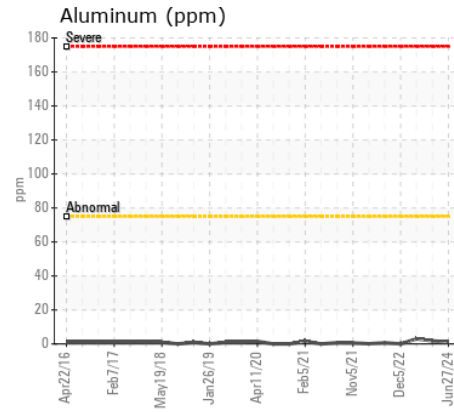
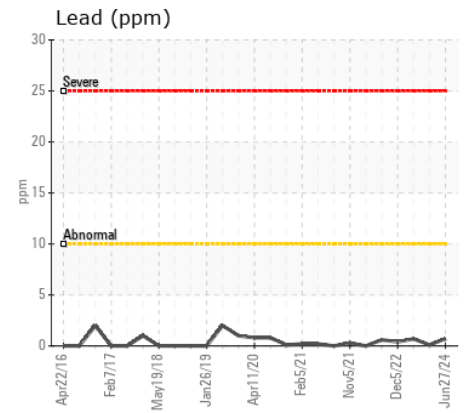
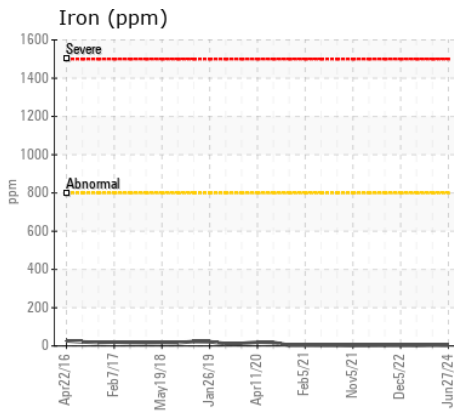
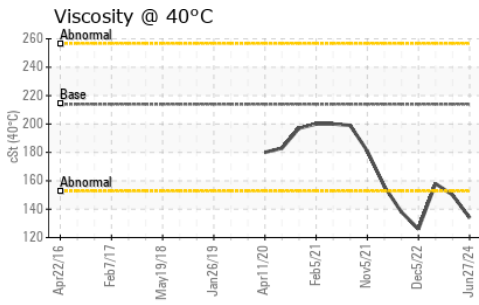
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	8	18	14
Potassium	ppm	ASTM D5185m	>20	1	2	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		2	1	0
Boron	ppm	ASTM D5185m	2	0	<1	0
Barium	ppm	ASTM D5185m	0	0	0	8
Molybdenum	ppm	ASTM D5185m	0	0	1	1
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	9	13	20	15
Calcium	ppm	ASTM D5185m	3114	2580	4075	3086
Phosphorus	ppm	ASTM D5185m	1099	893	1230	991
Zinc	ppm	ASTM D5185m	1245	1021	1565	1115
Sulfur	ppm	ASTM D5185m	7086	5505	7657	6137
Visc @ 40°C	cSt	ASTM D445	213.9	134	150	158



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0108881
 Lab Number : 06230599
 Unique Number : 11114092
 Test Package : MOB 1

Received : 08 Jul 2024
 Tested : 10 Jul 2024
 Diagnosed : 10 Jul 2024 - Sean Felton

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