

NORMAL WEAR CONTAMINATION NORMAL FLUID CONDITION NORMAL



## KEMP QUARRIES / PRYOR STONE [68434]

Component Rear Differential

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

RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm1 performed. All oil samples taken. Engine oil, engine oil filters, fuel, air, and cabin air filters changed. )

W	FΔ	R

All component wear rates are normal.

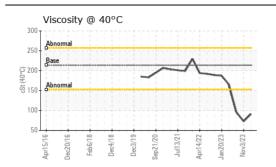
## CONTAMINATION

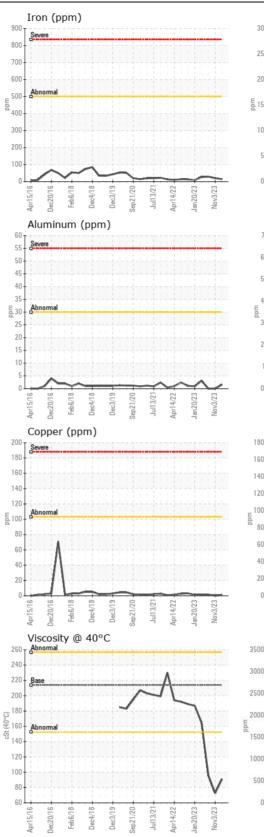
There is no indication of any contamination in the oil.

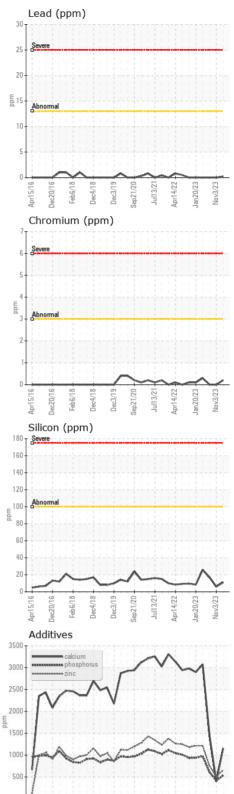
## **FLUID CONDITION**

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

Teat		Mathad	Limit/Abn	Cumant	Lliotom	Listor ()
Test	UOM	Method	LIMIt/ADD	Current	History1	History2
Sample Number		Client Info		PCA0086333	PCA0084310	PCA0084599
Sample Date	le un	Client Info		19 Feb 2024	03 Nov 2023	24 Jul 2023
Machine Age	hrs	Client Info		14934	14433	13895
Oil Age	hrs	Client Info		501	2162	13895
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Oil Added	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>500	14	20	29
Chromium	ppm	ASTM D5185m	>3	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	0
Lead	ppm	ASTM D5185m	>13	<1	0	0
Copper	ppm	ASTM D5185m	>103	1	<1	1
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>100	11	6	17
Potassium	ppm	ASTM D5185m	>20	1	0	0
			>.2			NEO
Water		WC Method	2.4	NEG	NEG	NEG
Water Silt	scalar	WC Method *Visual	NONE	NEG NONE	NEG NONE	NONE
	scalar scalar					
Silt		*Visual	NONE	NONE	NONE	NONE
Silt Debris	scalar	*Visual *Visual	NONE NONE	NONE	NONE	NONE
Silt Debris Sand/Dirt	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE
Silt Debris Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML
Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORML NORML	NONE NONE NORML NORML	NONE NONE NORML NORML
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML >.2	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NONE NORML NORML >.2	NONE NONE NORML NORML NEG 0	NONE NONE NORML NORML NEG <1	NONE NONE NORML NORML NEG <1
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 2 0	NONE NONE NORML NORML NEG 0	NONE NONE NORML NORML NEG <1 0	NONE NONE NORML NORML NEG <1 0
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 2 0	NONE NONE NORML NORML NEG 0 0	NONE NONE NORML NORML NEG <1 0 0	NONE NONE NORML NORML NEG <1 0 0
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 2 0 0	NONE NONE NORML NORML NEG 0 0 0 2	NONE NONE NORML NORML NEG <1 0 0 0	NONE NONE NORML NORML NEG <1 0 0 <1
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 2 0 0 0	NONE NONE NORML NORML NEG 0 0 0 2 0 0 0 0	NONE NONE NORML NORML NEG <1 0 0 0 0	NONE NONE NORML NORML NEG <1 0 0 <1 <1
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 2 0 0 0 0 9	NONE NONE NORML NORML NEG 0 0 0 2 1 0 5	NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 0 0	NONE   NONE   NORML   NORML   NORML   NEG   <1   0   <1   <1   <1   <1   <1   <1   <1
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 2 0 0 0 0 9 3114	NONE NONE NORML NORML NEG 0 0 0 0 <1 0 5 1157	NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NONE   NONE   NORML   NORML   NORML   NEG   <1   0   <1   <1   <1   <1   <1   <1   <1   <1   <1   <1   <1   <1
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 2 0 0 0 0 9 3114 1099	NONE NONE NORML NORML NEG 0 0 0 0 2 1 0 5 1157 533	NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NONE NONE NORML NORML NEG <1 0 0 (1 <1 <1 <1 (1 457 612









Kemp Quarries - Pryor Stone - Pryor Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 1050 E 520 Rd : PCA0086333 : 18 Mar 2024 Lab Number : 06121812 : 19 Mar 2024 Pryor, OK Tested Unique Number : 10935963 : 21 Mar 2024 - Jonathan Hester US 74361 Diagnosed Test Package : MOB 1 Contact: Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pryor@pryorstone.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Apr14/22 .

Jul13/21

Sep 21/20

Dec3/19

Dec4/18

Dec20/16

Feb 6/1

Apr15/16

Nov3/23

lan20/23