

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



# KEMP QUARRIES / PRYOR STONE [68156]

Rear Right Final Drive

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

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm4 performed. All oil samples taken. All oils, and all filters changed. )

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All component wear rates are normal.

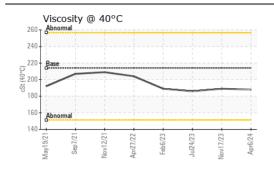
#### CONTAMINATION

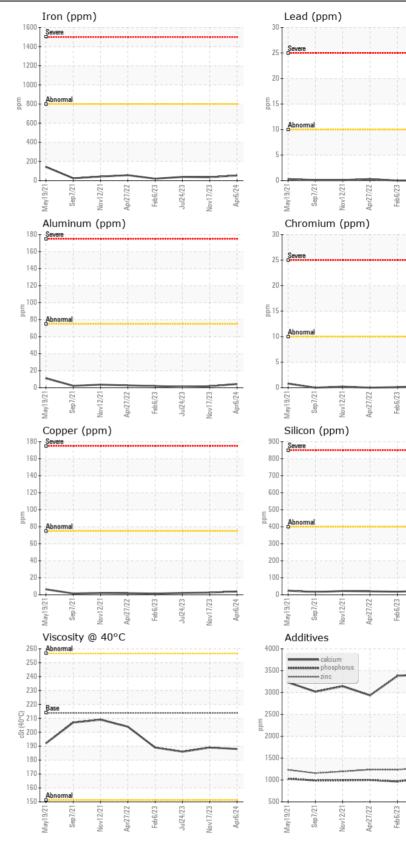
There is no indication of any contamination in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0086642	PCA0084338	PCA0084550
Sample Date		Client Info		06 Apr 2024	17 Nov 2023	24 Jul 2023
Machine Age	hrs	Client Info		26330	25744	25250
Oil Age	hrs	Client Info		2223	1637	25250
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Oil Added	Oil Added
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron		ASTM D5185m	>800	53	35	38
Chromium	ppm	ASTM D5185m	>800	ວວ <1	0	30 <1
Nickel	ppm	ASTM D5185m	>5		0	
	ppm		>5 >15	<1	÷	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	4	2	1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	4	3	2
Tin	ppm	ASTM D5185m	>8	<1	0	0
Vanadium	ppm	ASTM D5185m	NONE	<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	0000	ASTM D5185m	>400	96	21	23
Childon	ppm	ASTIVI DOTODITI	>400	26	21	20
Potassium	ppm	ASTM D5185m	>20	20	0	0
				-		
Potassium		ASTM D5185m	>20	2	0	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	2 NEG	0 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	2 NEG NONE	0 NEG NONE	0 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	2 NEG NONE NONE	0 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	2 NEG NONE NONE NONE	0 NEG NONE NONE	0 NEG NONE NONE NORE
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE NORML	2 NEG NONE NONE NORE	0 NEG NONE NONE NONE NORML	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	2 NEG NONE NONE NORE NORML	0 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NONE NORML NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	2 NEG NONE NONE NORML NORML NEG 2	0 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	2 NEG NONE NONE NORML NORML NEG 2 0	0 NEG NONE NONE NORML NORML NEG 2 0	0 NEG NONE NONE NORML NORML NEG 1 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1	0 NEG NONE NONE NORML NORML NEG 2 0 0	0 NEG NONE NONE NORML NORML NEG 1 0 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1 9 1	0 NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1	0 NEG NONE NONE NORML NORML NEG 1 0 0 7 <1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> <li>0</li> <li>9</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1 9	0 NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13	0 NEG NONE NONE NORML NORML NEG 1 0 0 0 7
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> <li>9</li> <li>3114</li> </ul>	2 NEG NONE NONE NORML NORML 2 0 <1 9 1 15 3514	0 NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13 3329	0 NEG NONE NONE NORML NORML NEG 1 0 0 7 <1 10 3430
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> <li>0</li> <li>9</li> <li>3114</li> <li>1099</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1 9 1 15 3514 1036	0 NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13 3329 1063	0 NEG NONE NONE NORML NORML NEG 1 0 0 7 <1 10 3430 1045
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> <li>9</li> <li>3114</li> <li>1099</li> <li>1245</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1 9 1 15 3514 1036 1320	0 NEG NONE NONE NORML NORML NEG 2 0 0 6 4 13 3329 1063 1206	0 NEG NONE NONE NORML NORML NEG 1 0 0 7 <1 10 3430 1045 1276
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>2</li> <li>0</li> <li>0</li> <li>0</li> <li>9</li> <li>3114</li> <li>1099</li> </ul>	2 NEG NONE NONE NORML NORML NEG 2 0 <1 9 1 15 3514 1036	0 NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13 3329 1063	0           NEG           NONE           NONE           NORML           NORML           NORML           NORML           0           0           0           7           <1           10           3430           1045





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Kemp Quarries - Pryor Stone - Pryor 1050 E 520 Rd Sample No. : PCA0086642 Received : 15 Apr 2024 Pryor, OK Lab Number : 06149707 Tested : 16 Apr 2024 : 18 Apr 2024 - Don Baldridge US 74361 Unique Number : 10979785 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)

Vov17/23 -

Apr6/24

Jul24/23

Jul24/23 -

174/73

lov17/23

unr6/24