

WL141

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

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KEMP QUARRIES / PRYOR STONE [68156]

Front Differential

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.)

WEAR

All component wear rates are normal.

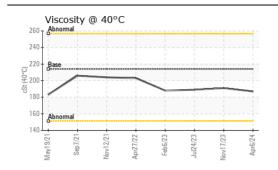
CONTAMINATION

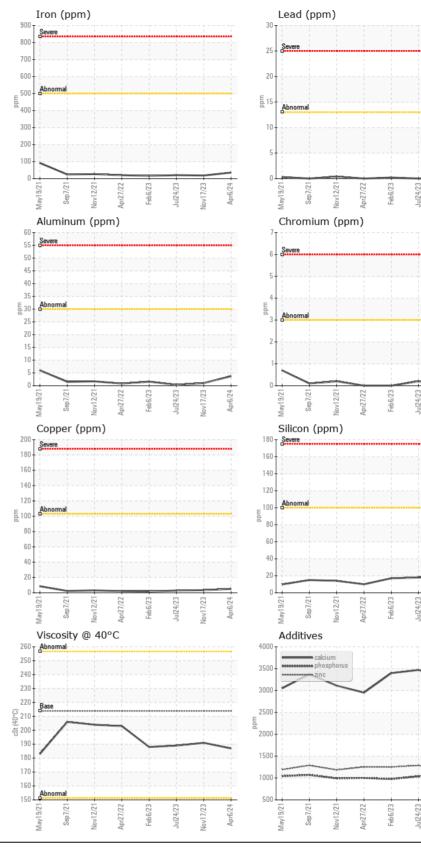
There is no indication of any contamination in the oil.

FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0086637	PCA0084332	PCA0084544
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	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	35	18	20
Chromium	ppm	ASTM D5185m	>3	<1	0	<1
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	4	1	<1
Lead	ppm	ASTM D5185m	>13	<1	0	0
Copper	ppm	ASTM D5185m	>103	5	3	3
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon		*Visual ASTM D5185m	NONE >100	NONE 22	NONE 18	18
	ppm					
Silicon		ASTM D5185m	>100	22	18	18
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>100 >20	22 2	18 0	18 0
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>100 >20 >.2	22 2 NEG	18 0 NEG	18 0 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>100 >20 >.2 NONE	22 2 NEG NONE	18 0 NEG NONE	18 0 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>100 >20 >.2 NONE NONE	22 2 NEG NONE NONE	18 0 NEG NONE NONE	18 0 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>100 >20 >.2 NONE NONE	22 2 NEG NONE NONE NONE	18 0 NEG NONE NONE NONE	18 0 NEG NONE NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>100 >20 >.2 NONE NONE NONE NORML	22 2 NEG NONE NONE NONE NORML	18 0 NEG NONE NONE NONE NORML	18 0 NEG NONE NONE NONE NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>100 >20 >.2 NONE NONE NONE NORML NORML	22 2 NEG NONE NONE NORE NORML NORML	18 0 NEG NONE NONE NONE NORML NORML	18 0 NEG NONE NONE NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>100 >20 >.2 NONE NONE NORML NORML >.2	22 2 NEG NONE NONE NORE NORML NEG	18 0 NEG NONE NONE NORML NORML NEG	18 0 NEG NONE NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>100 >20 >.2 NONE NONE NORML NORML >.2	22 2 NEG NONE NONE NORML NORML NEG 2	18 0 NEG NONE NONE NORML NORML NEG 2	18 0 NEG NONE NONE NORML NORML NEG 1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>100 >20 >.2 NONE NONE NORML NORML >.2	22 2 NEG NONE NONE NORML NORML NEG 2 0	18 0 NEG NONE NONE NORML NORML NEG 2 0	18 0 NEG NONE NONE NORML NORML NEG 1 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NONE NORML NORML >.2	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1	18 0 NEG NONE NONE NONE NORML NORML NEG 2 0 0	18 0 NEG NONE NONE NORML NORML NEG 1 0 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NORE NORML NORML >.2 2 0 0	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1	18 0 NEG NONE NONE NORML NORML NEG 2 0 0 0	18 0 NEG NONE NONE NORML NORML NEG 1 0 0 2
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar gpm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NORME NORML >.2 2 0 0 0	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1 1 1	18 0 NEG NONE NONE NORML NORML NEG 2 0 0 0 0 0	18 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 4
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NONE NORML >.2 2 0 0 0 0 9	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1 1 1 <1 1 5	18 0 NEG NONE NONE NORML NORML NEG 2 0 0 0 0 0 0 0 13	18 0 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 <1 10
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NONE NORML NORML >.2 2 0 0 0 0 0 9 3114	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1 1 <1 1 <1 5 3546	18 0 NEG NONE NONE NORML NORML NEG 2 0 0 0 0 0 0 13 3293	18 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 (1 2 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 1 1 1 1 0 1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >.2 NONE NONE NORML >.2 2 0 0 0 0 0 9 3114 1099	22 2 NEG NONE NONE NORML NORML NEG 2 0 <1 1 <1 1 <1 15 3546 1032	18 0 NEG NONE NONE NORML NORML NEG 2 0 0 0 0 0 0 13 3293 1059	18 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 4 1 0 0 0 2 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 1 1 0 1





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Kemp Quarries - Pryor Stone - Pryor Sample No. Received 1050 E 520 Rd : PCA0086637 : 15 Apr 2024 Lab Number : 06149711 : 16 Apr 2024 Pryor, OK Tested : 18 Apr 2024 - Don Baldridge US 74361 Unique Number : 10979789 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)

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