

WL141

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

600

KEMP QUARRIES / PRYOR STONE [68156]

Rear 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.)

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vv	

All component wear rates are normal.

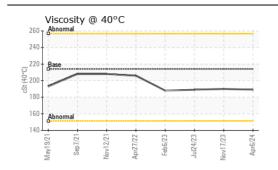
CONTAMINATION

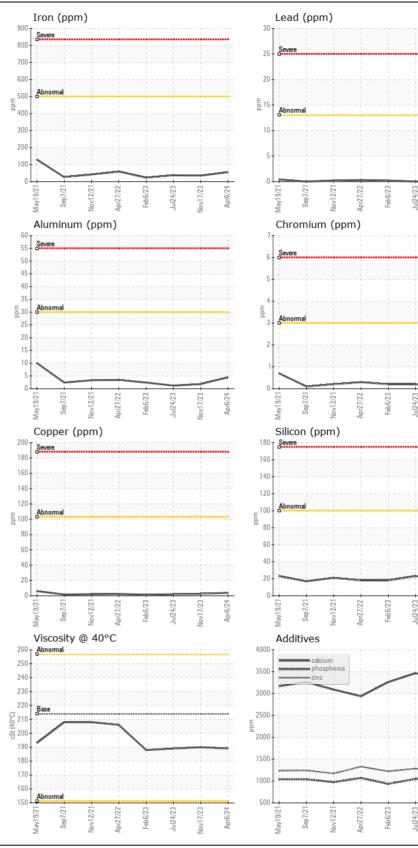
There is no indication of any contamination in the oil.

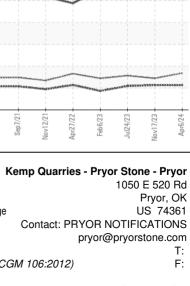
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0086640	PCA0084336	PCA0084545
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	24107	0
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
			500		05	
Iron	ppm	ASTM D5185m	>500	55	35	37
Chromium	ppm	ASTM D5185m	>3	1	0	<1
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	4	2	1
Lead	ppm	ASTM D5185m	>13	<1	0	0
Copper	ppm	ASTM D5185m	>103	4	3	2
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
Silicon	ppm	ASTM D5185m	>100	28	21	23
Potassium			>20	2	0	0
	ppm	ASTM D5185m	~20	2	0	0
Water	ppm	WC Method	>.2	2 NEG	NEG	NEG
	ppm scalar					
Water		WC Method	>.2	NEG	NEG	NEG
Water Silt	scalar	WC Method *Visual	>.2 NONE	NEG NONE	NEG	NEG LIGHT
Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>.2 NONE NONE	NEG NONE NONE	NEG NONE NONE	NEG LIGHT NONE
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>.2 NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE NONE	NEG LIGHT NONE NONE
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>.2 NONE NONE NONE NORML	NEG NONE NONE NONE NORML	NEG NONE NONE NORML	NEG LIGHT NONE NONE NORML
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual	>.2 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	NEG LIGHT NONE NONE NORML
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>.2 NONE NONE NORML NORML >.2	NEG NONE NONE NORML NORML NEG 3	NEG NONE NONE NORML NORML	NEG LIGHT NONE NONE NORML NEG
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual	>.2 NONE NONE NORML NORML >.2	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG 2	NEG LIGHT NONE NORML NORML NEG 1
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0	NEG NONE NONE NORML NORML NEG 3 0	NEG NONE NONE NORML NORML NEG 2 0	NEG LIGHT NONE NORML NORML NEG 1 0
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0	NEG NONE NONE NORML NORML NEG 3 0 <1	NEG NONE NONE NORML NORML NEG 2 0 0	NEG LIGHT NONE NORML NORML NEG 1 0 0
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0 0	NEG NONE NONE NORML NORML NEG 3 0 <1 9 1	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1	NEG LIGHT NONE NORML NORML NEG 1 0 0 7 <1
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0 0 0	NEG NONE NONE NORML NORML NEG 3 0 <1 9 1 1 16	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 4 13	NEG LIGHT NONE NORML NORML NEG 1 0 0 7
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0 0 0 0 0 9 3114	NEG NONE NONE NORML NORML NEG 3 0 <1 9 1	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1	NEG LIGHT NONE NORML NORML NEG 1 0 0 7 <1 10
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0 0 0 0 9 3114 1099	NEG NONE NONE NORML NORML NEG 3 0 <1 9 1 1 16 3518 1065	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13 3337 1067	NEG LIGHT NONE NORML NORML NEG 1 0 0 7 <1 10 3463 1045
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NORML NORML >.2 2 0 0 9 3114 1099 1245 	NEG NONE NONE NORML NORML NEG 3 (0 <1 9 1 1 16 3518 1065 1339	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 4 1 3 3337 1067 1220	NEG LIGHT NONE NORML NORML NEG 1 0 7 <1 10 3463 1045 1283
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 2 0 0 0 0 9 3114 1099	NEG NONE NONE NORML NORML NEG 3 0 <1 9 1 1 16 3518 1065	NEG NONE NONE NORML NORML NEG 2 0 0 0 6 <1 13 3337 1067	NEG LIGHT NONE NORML NORML NORML NORML 0 0 7 <1 10 3463 1045









 Unique Number
 : 10979782
 Diagnosed
 : 18 Apr 2024 - Don Baldridge

 Certificate 12367
 Test Package
 : MOB 1
 Contact: PRYOF

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 pryof

 * - 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 15 Apr 2024

: 16 Apr 2024

Laboratory

Sample No.

Lab Number : 06149704

: PCA0086640

Apr6/24

pr6/24

CUT1703

lov17/23