

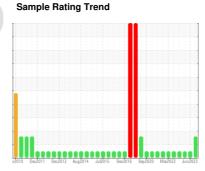
OIL ANALYSIS REPORT



KEMP QUARRIES / KEMP STONE - FAIRLAND [66087] **WL071**

Component **Rear Left Final Drive**

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





DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. (Customer Sample Comment: PM-3 sampled fluid)

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

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

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0086233	PCA0086328	PCA0086056
Sample Date		Client Info		06 Dec 2023	20 Jun 2023	06 Apr 2023
	hrs	Client Info		32462	32119	31788
Ŭ.	hrs	Client Info		32462	32119	31788
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	
						history2
	ppm	ASTM D5185m	>800	57	52	26
	ppm	ASTM D5185m	>10	0	0	<1
·	ppm	ASTM D5185m	>5	0	0	0
	ppm	ASTM D5185m	>15	0	<1	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>75	1	<1	1
	ppm	ASTM D5185m	>10	0	0	0
	ppm	ASTM D5185m	>75	13	11	5
	ppm	ASTM D5185m	>8	0	0	0
Vanadium p	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	0	0
Barium p	ppm	ASTM D5185m	0	0	14	0
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	9	15	31	19
Calcium	ppm	ASTM D5185m	3114	3040	3026	2974
Phosphorus	ppm	ASTM D5185m	1099	919	1066	1012
Zinc	ppm	ASTM D5185m	1245	1174	1356	1252
Sulfur	ppm	ASTM D5185m	7086	5236	6026	5936
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	21	12	9
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.2	<u> </u>		
ppm Water	ppm	ASTM D6304	>2000	▲ 7810		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt s	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	>0.2	0.2%	NEG	NEG
	scalar	*Visual		NEG	NEG	NEG
						-



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

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

: PCA0086233 : 06034201 : 10789430

Recieved : 13 Dec 2023 Diagnosed

: 18 Dec 2023 Diagnostician : Sean Felton

Test Package : MOB 1 (Additional Tests: KF) 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)

Kemp Quarries - Kemp Stone - Fairland

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Contact:

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