

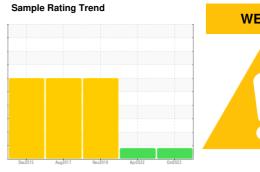
OIL ANALYSIS REPORT

KEMP QUARRIES / KEMP STONE - FAIRLAND [62857] **CRN014**

Component

Transmission

PETRO CANADA PRODURO TO-4 SAE 30 (





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: PM-1 sampled fluid)

The lead level has decreased, but is still abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

(GAL)		Dec2015	Aug2017	Nov2019 Apr2022	Oct2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0087052	PCA0034283	PCA36409027
Sample Date		Client Info		31 Oct 2023	13 Apr 2022	18 Nov 2019
Machine Age	hrs	Client Info		1374	1150	324
Oil Age	hrs	Client Info		1374	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	25	32
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>50	<1	4	4
Lead	ppm	ASTM D5185m	>50	93	<u> </u>	199
Copper	ppm	ASTM D5185m	>200	71	94	120
Tin	ppm	ASTM D5185m	>10	0	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		5	12	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	52	41	43
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m	0	0	<1	1
Manganese	ppm	ASTM D5185m	9	<1	2	0
Magnesium	ppm	ASTM D5185m	1	10	11	15
Calcium	ppm	ASTM D5185m	3131	1313	212	265
Phosphorus	ppm	ASTM D5185m	1194	599	276	344
Zinc	ppm	ASTM D5185m	1281	531	114	153
Sulfur	ppm	ASTM D5185m	3811	2441	1386	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	4	10
Sodium	ppm	ASTM D5185m	700	2	3	4
Potassium	ppm	ASTM D5185m	>20	0	0	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	43.6	26.1	



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: 06006615 : 10740377 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0087052 Received : 13 Nov 2023 Diagnosed : 15 Nov 2023

Diagnostician : Don Baldridge

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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