

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

KEMP QUARRIES / BCS - G **WL124**

Component

Transmission (Manual)

PETRO CANADA PRODURO TO-4 SAE 30 (---

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-1 changed filters)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

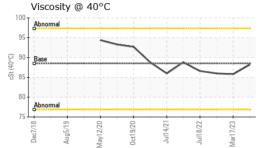
The condition of the fluid is acceptable for the time in service.

GRAVETTE					
(GAL)	Dec2018 Aug	2019 May2020 Oct2020	Jul2021 Jul2022	Mar2023	
SAMPLE INFORMATION	method	limit/base	current	history 1	history 2
Sample Number	Client Info	F	PCA0086296	PCA0086017	PCA0070270
Sample Date	Client Info	C	6 Jul 2023	17 Mar 2023	18 Oct 2022

Machine Age	hrs	Client Info		36752	36319	35888	
Oil Age	hrs	Client Info		36752	35777	35888	
Oil Changed		Client Info		N/A	Changed	N/A	
Sample Status				NORMAL	ABNORMAL	NORMAL	
WEAR METAL	S	method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>200	5	6	7	
Chromium	ppm	ASTM D5185m	>5	<1	0	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m	>7	0	0	0	
Aluminum	ppm	ASTM D5185m	>25	2	1	2	
Lead	ppm	ASTM D5185m	>45	<1	0	<1	
Copper	ppm	ASTM D5185m	>225	3	7	5	
Tin	ppm	ASTM D5185m	>10 0		<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m	0		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	2	2	2	0	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	2	1	1	
Manganese	ppm	ASTM D5185m	9	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1	29	19	17	
Calcium	ppm	ASTM D5185m	3131	2719	3303	2899	
Phosphorus	ppm	ASTM D5185m	1194	962	1179	975	
Zinc	ppm	ASTM D5185m	1281	1185	1371	1151	
Sulfur	ppm	ASTM D5185m	3811	4747	5698	5430	
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>125	4	7	6	
Sodium	ppm	ASTM D5185m		<1	1	<1	
Potassium	ppm	ASTM D5185m	>20 2		0	0	
VISUAL		method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	VLITE	
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	scalar	*Visual	NONE	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	88.5	88.2	85.8	86.0	



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SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color			no image	no image	no image
Bottom			no image	no image	no image

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40								8-							
E 20	Abnormal							튭 6-	Abnor	mal					
10								2.							
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		Aug5/19	May12/20	Oct19/20	Jul14/27	Jul18/22	Mar17/23		Dec7/18	Aug5/19	May12/20	Oct19/20	Jul14/27	Jul18/22	Mar17/23
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	Dec7/18	Aug5/19	May12/20	0ct19/20	Jul14/21.	Jul18/22	Mar17/23		Dec7/18	Aug5/19	May12/20	Oct19/20	Jul14/21	Jul18/22	Mar17/23



Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10550531

: PCA0086296 : 05894721 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jul 2023 Diagnosed

: 12 Jul 2023 Diagnostician : Sean Felton

Kemp Quarries - Benton County Stone - Gravette

15100 N Hwy 59 Sulphur Springs, AR US 72768

Contact:

F:

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T:

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)

Report Id: KEMSUL [WUSCAR] 05894721 (Generated: 07/12/2023 12:18:24) Rev: 1