

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

KEMP QUARRIES / MUSKOGEE SAND [69617]

WL109

Transmission (Manual)

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: PM-3 sampled fluid)

WEAR

All component wear rates are normal.

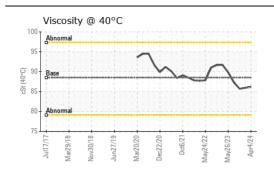
CONTAMINATION

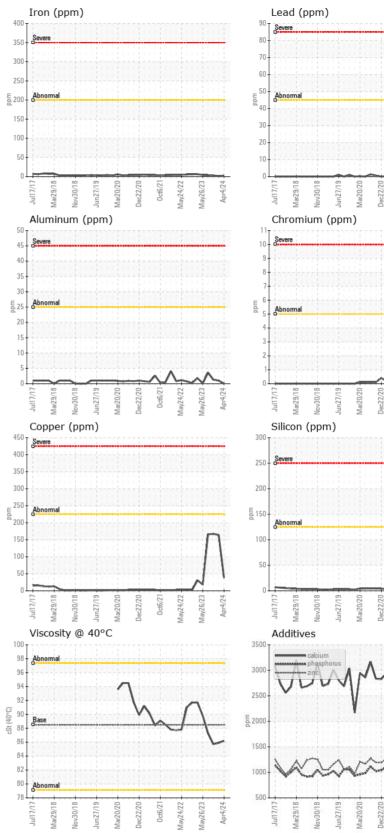
There is no indication of any contamination in the fluid.

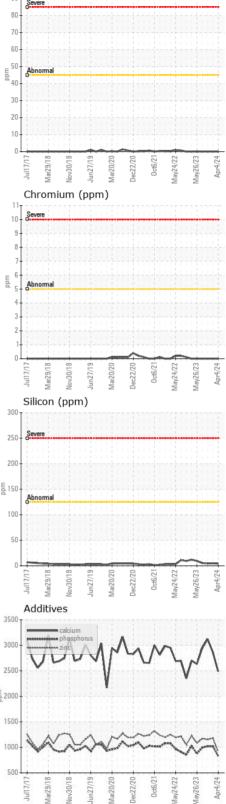
FLUID CONDITION

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

AL)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109270	PCA0086517	PCA0070575
Sample Date		Client Info		04 Apr 2024	05 Feb 2024	21 Nov 2023
Machine Age	hrs	Client Info		58740	50702	50215
Oil Age	hrs	Client Info		51204	50702	50215
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
		40TH DE105		•		
Iron	ppm	ASTM D5185m	>200	2	1	3
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	7	0	0	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	1
Lead	ppm	ASTM D5185m	>45	0	0	0
Copper	ppm	ASTM D5185m	>225	38	164	167
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m	NONE	0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	4	5	4
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
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
Sodium	ppm	ASTM D5185m		2	1	0
Boron	ppm	ASTM D5185m	2	2	2	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	1	2
Manganese	ppm	ASTM D5185m	9	0	0	0
Magnesium	ppm	ASTM D5185m	1	23	25	20
Calcium	ppm	ASTM D5185m	3131	2489	2864	3124
Phosphorus	ppm	ASTM D5185m	1194	834	1019	1022
7	ppm	ASTM D5185m	1281	920	1182	1154
Zinc	ppm					
Zinc Sulfur	ppm	ASTM D5185m	3811	3633	3970	4142
					3970 85.9	4142 85.7









Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Kemp Quarries - Muskogee Sand Sample No. Received 3395 W 50th St N : PCA0109270 : 15 Apr 2024 Lab Number : 06149187 Porter, OK Tested : 16 Apr 2024 Unique Number : 10979265 : 17 Apr 2024 - Sean Felton US 74454 Diagnosed Test Package : MOB 1 Contact: Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. muskogee@muskogeesand.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)