

OIL ANALYSIS REPORT

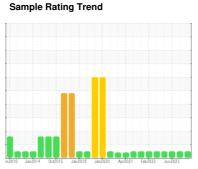


KEMP QUARRIES / MUSKOGEE SAND [67335] **WL039**

Component

Transmission (Manual)

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 changed fluid and filters)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

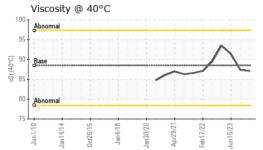
Fluid Condition

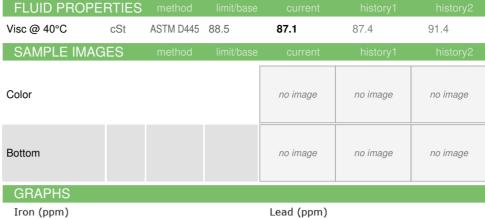
The condition of the fluid is acceptable for the time in service.

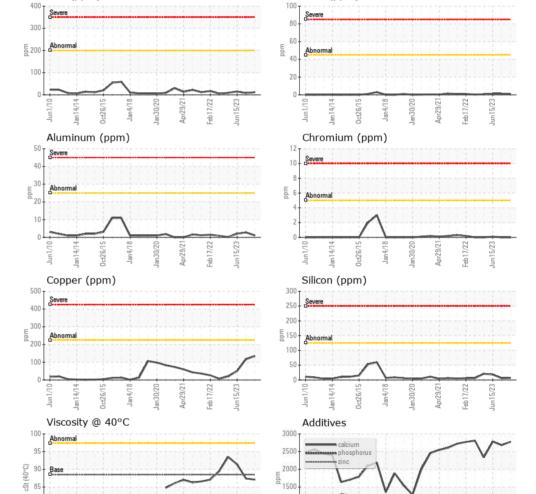
RO 10-4 SAE 30 (GAL)						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0070659	PCA0086424	PCA008712
Sample Date		Client Info		05 Dec 2023	12 Sep 2023	15 Jun 2023
Machine Age	hrs	Client Info		60261	59740	59240
Oil Age	hrs	Client Info		60261	59740	1000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	12	7	15
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Fitanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m		1	3	2
_ead	ppm	ASTM D5185m	>45	1	1	1
Copper	ppm	ASTM D5185m	>225	135	117	50
Tin		ASTM D5185m	>10	0	<1	0
/anadium	ppm		>10	0	0	
Variadium Cadmium	ppm	ASTM D5185m		-		0
	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	1	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	4	5
Manganese	ppm	ASTM D5185m	9	0	<1	<1
Magnesium	ppm	ASTM D5185m	1	23	30	55
Calcium	ppm	ASTM D5185m	3131	2776	2682	2782
Phosphorus	ppm	ASTM D5185m	1194	905	891	1051
Zinc	ppm	ASTM D5185m	1281	1086	1058	1281
Sulfur	ppm	ASTM D5185m	3811	3736	3884	4392
CONTAMINAN [*]	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	7	6	18
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	2	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	LIGHT	NONE	LIGHT
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
04:00) Pour 1	Journal	rioddi			1123	Culturalities -1 F



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 1

: PCA0070659 : 06034259

: 10789488

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 13 Dec 2023

Diagnostician : Sean Felton

: 18 Dec 2023 Diagnosed

muskogee@muskogeesand.com

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)

Porter, OK US 74454

Kemp Quarries - Muskogee Sand

Contact:

T:

F:

3395 W 50th St N