

OIL ANALYSIS REPORT

RT





KEMP QUARRIES / BCS - MILL CREEK [68018] Machine Id WL087

Component Front Right Final Drive

Fluid

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid. Overfilled and inner wet)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

RO 10-4 SAE 30 (GAL)						
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0070609	PCA0038170	PCA0038044
Sample Date		Client Info		29 Nov 2023	25 Oct 2021	19 May 2021
Machine Age	hrs	Client Info		16002	15752	15377
Oil Age	hrs	Client Info		16002	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>800	66	124	463
Chromium	ppm	ASTM D5185m	>10	0	<1	2
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>15	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>75	<1	2	8
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	4	2	8
Tin	ppm	ASTM D5185m	>8	0	<1	<1
Antimony	ppm	ASTM D5185m	>50		0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	4	19
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	2	7
Manganese	ppm	ASTM D5185m	0	<1	1	4
Magnesium	ppm	ASTM D5185m	9	43	32	98
Calcium	ppm	ASTM D5185m	3114	<u> </u>	2890	2724
Phosphorus	ppm	ASTM D5185m	1099	<u>▲</u> 587	985	948
Zinc	ppm	ASTM D5185m	1245	690	1202	1127
Sulfur	ppm	ASTM D5185m	7086	<u>2561</u>	4741	9326
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	11	19	60
Sodium	ppm	ASTM D5185m		0	1	3
Potassium	ppm	ASTM D5185m	>20	0	0	4
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	scalar	*Visual	NONE	NONE	NONE	NONE
Annagranas		*\/:	NODMI	NORM	NODM	NODM

Appearance

Emulsified Water

Odor

*Visual

*Visual

scalar *Visual

scalar *Visual

scalar

scalar

NORML

NORML

>0.2

NORML

NORML

NEG

NEG

NORML

NORML

NEG

NEG

NORML

NORML

NEG



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: PCA0070609 : 06032950

: 10782741

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Dec 2023 : 15 Dec 2023 Diagnosed : Sean Felton

Diagnostician

Test Package : MOB 1 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)

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