

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



KEMP QUARRIES / SELIGMAN [65165] Machine Id CATERPILLAR OHT114

Component
Rear Left Final Drive

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





DIAGNOSIS

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 oil

Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109069	PCA0086066	PCA0037560
Sample Date		Client Info		11 Mar 2024	05 Apr 2023	15 Apr 2022
Machine Age	hrs	Client Info		37902	37377	36878
Oil Age	hrs	Client Info		37902	31377	36878
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ATTENTION
CONTAMINAT	ION	method	limit/base	current	historv1	historv2

CONTAMINATION						HISTOLYZ
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	122	58	50
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	4	4	2
Lead	ppm	ASTM D5185m	>10	3	<1	1
Copper	ppm	ASTM D5185m	>75	28	13	4
Tin	ppm	ASTM D5185m	>8	2	<1	<1
Antimony	ppm	ASTM D5185m	>50			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		mathad	limit/bass	ourropt	historyd	hiotom/0

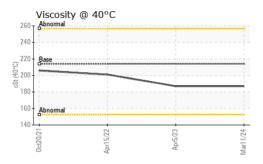
ADDITIVES		method				history2
Boron	ppm	ASTM D5185m	2	<1	0	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	1
Manganese	ppm	ASTM D5185m	0	2	1	<1
Magnesium	ppm	ASTM D5185m	9	17	20	18
Calcium	ppm	ASTM D5185m	3114	3374	3342	3076
Phosphorus	ppm	ASTM D5185m	1099	1069	1027	1012
Zinc	ppm	ASTM D5185m	1245	1269	1267	1156
Sulfur	ppm	ASTM D5185m	7086	4659	5278	4305
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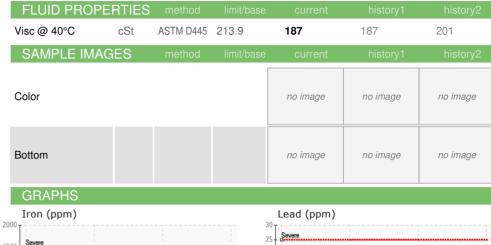
CONTAMINANTS		method				history2
Silicon	ppm	ASTM D5185m	>400	69	55	21
Sodium	ppm	ASTM D5185m		1	3	<1
Potassium	ppm	ASTM D5185m	>20	4	1	0

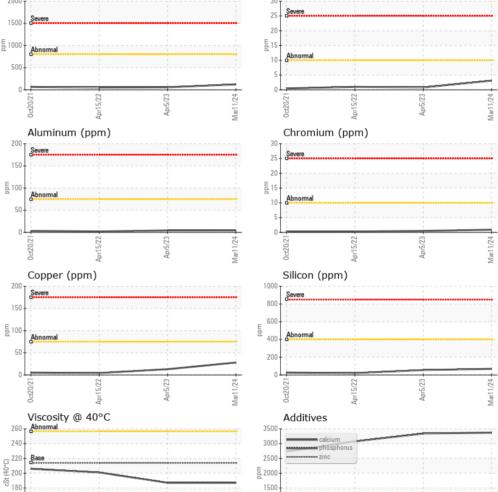
Polassium	ppm	AS INI DO 100III	>20	4	I	U
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	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	>0.2	NEG	0.2%	NEG
12 Free Water	scalar	*Visual		NEG	NEG	Sulphotited By:



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No.

: PCA0109069 Lab Number : 06121839 Unique Number: 10935990

160

140

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Mar 2024 : 19 Mar 2024

Tested Diagnosed Test Package : MOB 1

Kemp Quarries - BCS - Seligman

catherine.anastasio@wearcheck.com

8261 Farm rd 2295 Seligman, MO

US 65745 Contact: TECHNICIAN ACCOUNT

T:

F:

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.

: 21 Mar 2024 - Jonathan Hester

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1000

500

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)