



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 322CL 3009 (S/N BKJ00620)
Component
Right Final Drive
Fluid
TDTO FLUID SAE 30 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CL0005362	CL0004916	CL0004101
Sample Date		Client Info		19 Apr 2024	17 Nov 2023	08 Mar 2023
Machine Age	hrs	Client Info		14290	13795	13350
Oil Age	hrs	Client Info		940	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	381	288	565
Chromium	ppm	ASTM D5185m	>10	2	1	2
Nickel	ppm	ASTM D5185m	>5	1	<1	<1
Titanium	ppm	ASTM D5185m	>15	4	2	5
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	65	38	106
Lead	ppm	ASTM D5185m	>10	1	0	<1
Copper	ppm	ASTM D5185m	>75	2	<1	1
Tin	ppm	ASTM D5185m	>8	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

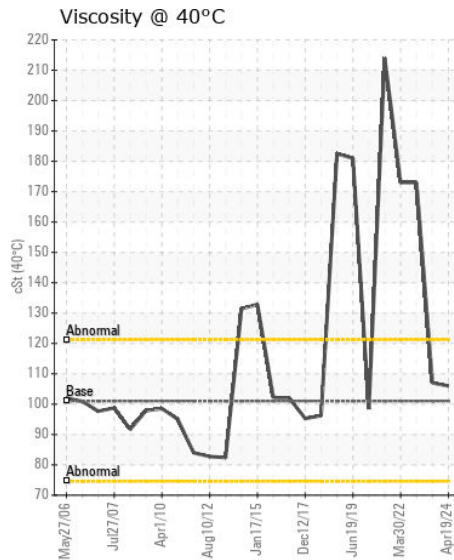
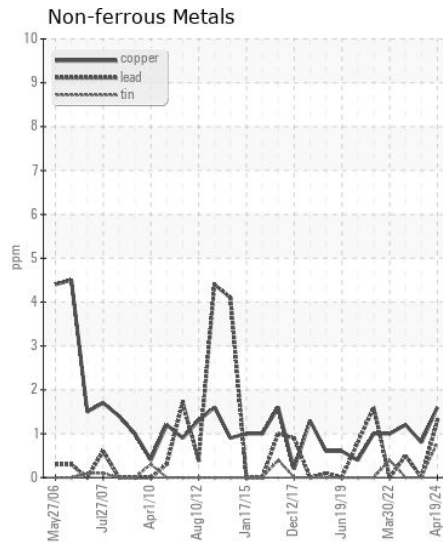
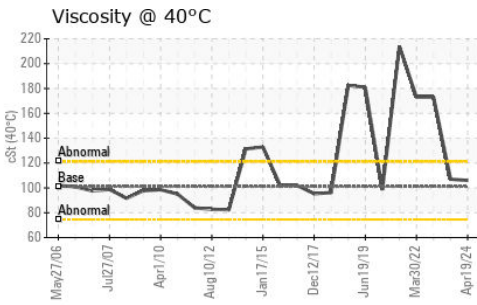
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	175	109	225
Potassium	ppm	ASTM D5185m	>20	10	6	11
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	3	9
Boron	ppm	ASTM D5185m	37	9	8	33
Barium	ppm	ASTM D5185m	7	<1	0	<1
Molybdenum	ppm	ASTM D5185m	5	8	7	13
Manganese	ppm	ASTM D5185m		3	2	4
Magnesium	ppm	ASTM D5185m	40	77	73	99
Calcium	ppm	ASTM D5185m	2650	3207	3166	3115
Phosphorus	ppm	ASTM D5185m	1050	1049	869	766
Zinc	ppm	ASTM D5185m	1075	1183	1184	1003
Sulfur	ppm	ASTM D5185m	5750	7005	7218	12012
Visc @ 40°C	cSt	ASTM D445	101	106	107	173



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CL0005362
Lab Number : 06159898
Unique Number : 10995321
Test Package : CONST
Received : 24 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

PURCELL CONSTRUCTION
 3100 HIGH RIDGE RD
 CHARLOTTE, NC
 US 28270
 Contact: BEN MILKE
 ben@purcellconst.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)

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