



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 924K RTL-13 (S/N PWR04554)
Component
Transmission (Manual)
Fluid
TDTO FLUID SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CL0003291	CL0002310	CL0001672
Sample Date		Client Info		17 Jun 2022	12 Jul 2021	27 Oct 2020
Machine Age	hrs	Client Info		5045	4550	3960
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	52	49	41
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	1
Silver	ppm	ASTM D5185m	>7	0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	0	1
Lead	ppm	ASTM D5185m	>45	2	1	0
Copper	ppm	ASTM D5185m	>225	1	1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

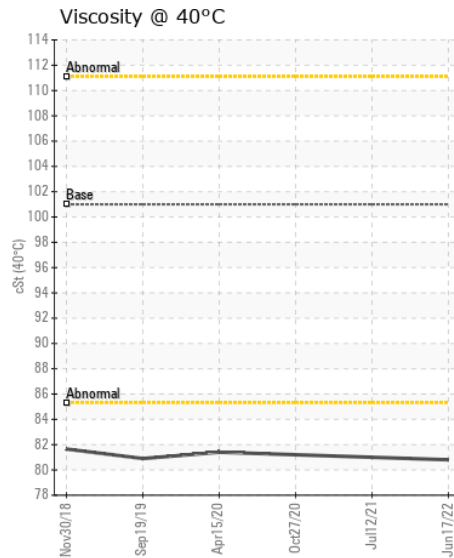
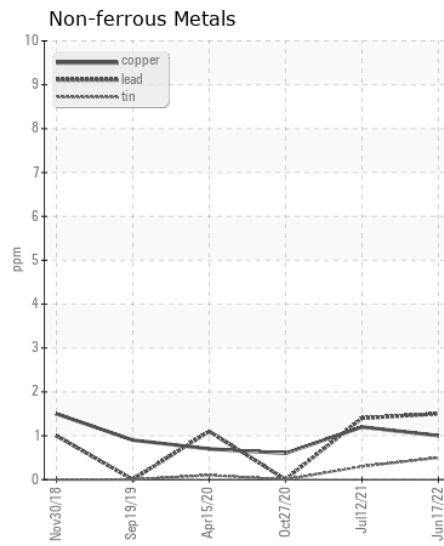
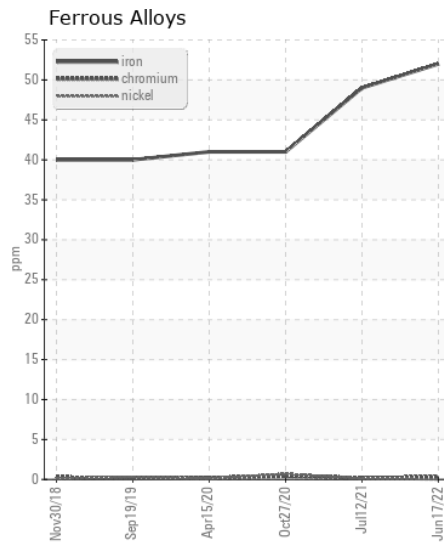
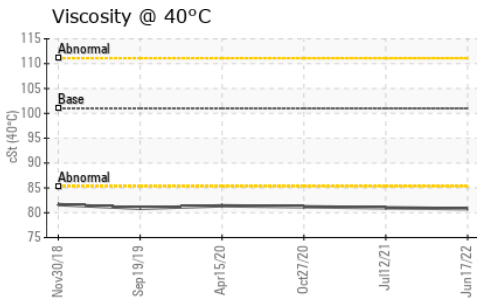
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	19	13	9
Potassium	ppm	ASTM D5185m	>20	2	1	6
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	7	6
Boron	ppm	ASTM D5185m	37	7	13	3
Barium	ppm	ASTM D5185m	7	0	2	2
Molybdenum	ppm	ASTM D5185m	5	3	3	3
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	40	30	31	34
Calcium	ppm	ASTM D5185m	2650	2804	2874	3112
Phosphorus	ppm	ASTM D5185m	1050	991	970	1073
Zinc	ppm	ASTM D5185m	1075	1149	1150	1141
Sulfur	ppm	ASTM D5185m	5750	7100	6616	6736
Visc @ 40°C	cSt	ASTM D445	101	80.8	81.0	81.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CL0003291
Lab Number : 05576028
Unique Number : 10025445
Test Package : CONST
Received : 23 Jun 2022
Tested : 24 Jun 2022
Diagnosed : 24 Jun 2022 - Don Baldrige

PEDULLA
 146 MCLELLAND
 MOORESVILLE, NC
 US 28115
 Contact: LARRY

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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F: