



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[SPM674733]**  
 Machine Id  
**CATERPILLAR D8T KPZ01336**  
 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		<b>VCP430177</b>	VCP429892	VCP406122
Sample Date		Client Info		<b>12 Apr 2024</b>	02 Nov 2023	25 Aug 2023
Machine Age	hrs	Client Info		<b>11275</b>	9815	9433
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>34</b>	9	21
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	2	1
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>225	<b>7</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

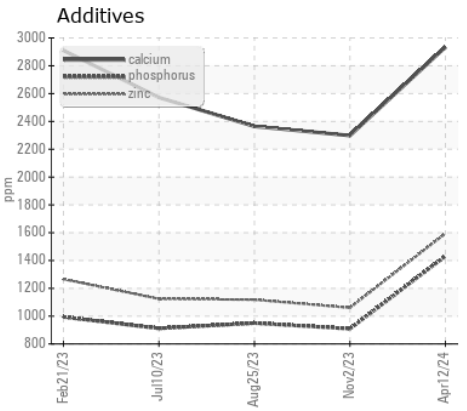
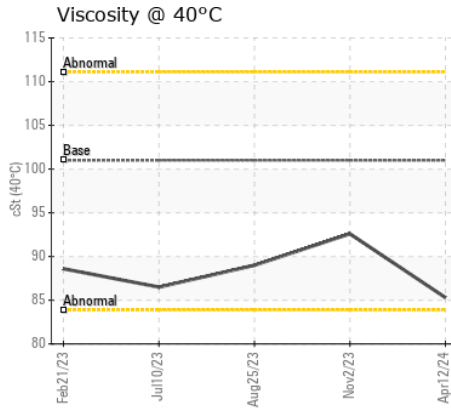
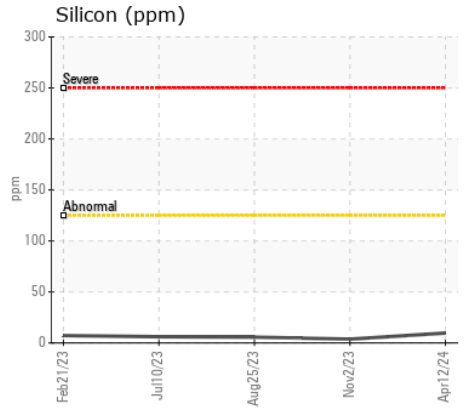
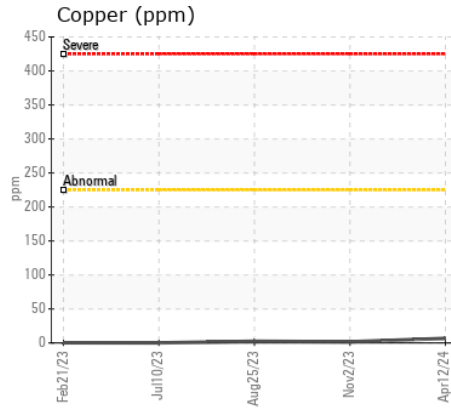
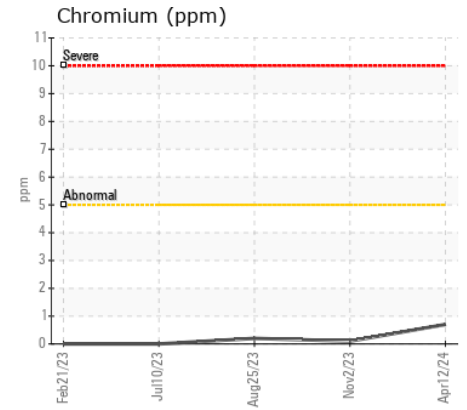
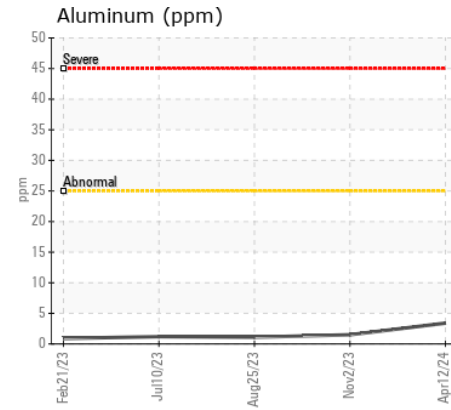
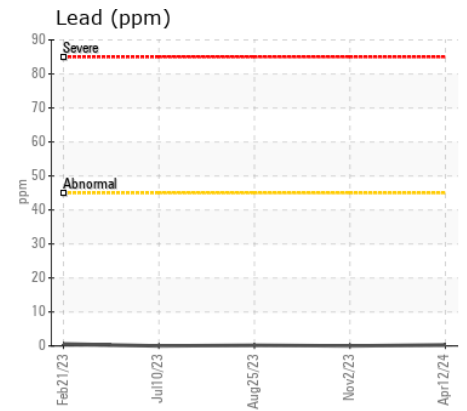
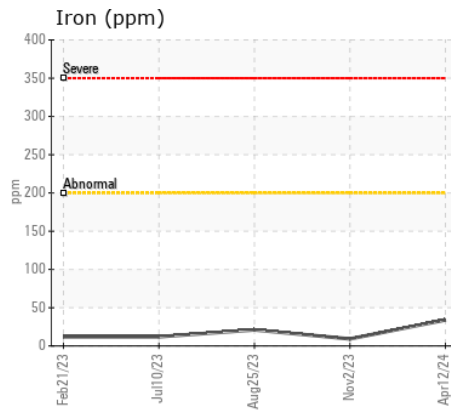
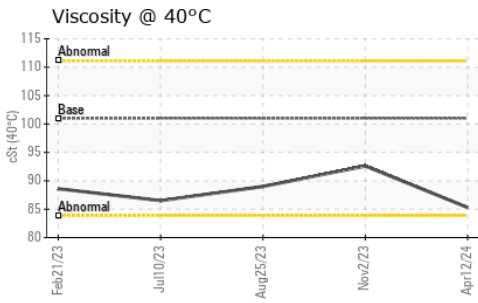
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>10</b>	4	6
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	0	0
Boron	ppm	ASTM D5185m	37	<b>256</b>	23	53
Barium	ppm	ASTM D5185m	7	<b>0</b>	2	2
Molybdenum	ppm	ASTM D5185m	5	<b>62</b>	18	24
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	40	<b>385</b>	213	250
Calcium	ppm	ASTM D5185m	2650	<b>2934</b>	2298	2364
Phosphorus	ppm	ASTM D5185m	1050	<b>1431</b>	909	950
Zinc	ppm	ASTM D5185m	1075	<b>1594</b>	1060	1118
Sulfur	ppm	ASTM D5185m	5750	<b>6879</b>	9644	6549
Visc @ 40°C	cSt	ASTM D445	101	<b>85.3</b>	92.6	89.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP430177  
**Lab Number** : 06155002  
**Unique Number** : 10990425  
**Test Package** : MOB 1

**Received** : 19 Apr 2024  
**Tested** : 22 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Jonathan Hester

**ALTA EQUIPMENT CO - ORLAND PARK**  
 5000 INDUSTRIAL HWY  
 GARY, IN  
 US 46406  
 Contact: DAVE ENG  
 DAVE.ENG@ALTG.COM  
 T: (312)350-2560  
 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.

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