

# **OIL ANALYSIS REPORT**

Sample Rating Trend





Area Minine Id ME-006 CATERPILLAR 980G AWH02346 Component Transmission (Manual)

Fluid CAT TDTO 30W (--- GAL)

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: 2000 Transmission Oil Change )

## Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

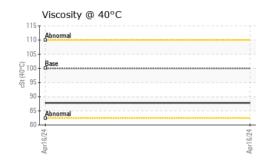
## Fluid Condition

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

SAMPLE INFORM		method	limit/base	current	history1	history2		
		Client Info		WC0929508				
Sample Number Sample Date		Client Info						
Machine Age	hrs	Client Info		16 Apr 2024 39333				
Oil Age	hrs	Client Info		2000				
Oil Changed	1115	Client Info		Changed				
Sample Status		Client Inio		NORMAL				
				-				
CONTAMINATIO	N	method	limit/base	current	history1	history2		
Water		WC Method	>0.1	NEG				
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>200	7				
Chromium	ppm	ASTM D5185m	>5	<1				
Nickel	ppm	ASTM D5185m	>5	<1				
Titanium	ppm	ASTM D5185m		<1				
Silver	ppm	ASTM D5185m	>7	0				
Aluminum	ppm	ASTM D5185m	>25	2				
Lead	ppm	ASTM D5185m	>45	<1				
Copper	ppm	ASTM D5185m	>225	4				
Tin	ppm	ASTM D5185m	>10	<1				
Vanadium	ppm	ASTM D5185m		<1				
Cadmium	ppm	ASTM D5185m		<1				
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		4				
Barium	ppm	ASTM D5185m		1				
Molybdenum	ppm	ASTM D5185m		3				
Manganese	ppm	ASTM D5185m		<1				
Magnesium	ppm	ASTM D5185m		18				
Calcium	ppm	ASTM D5185m	2980	3258				
Phosphorus	ppm	ASTM D5185m	1100	899				
Zinc	ppm	ASTM D5185m	1270	1070				
Sulfur	ppm	ASTM D5185m		4295				
CONTAMINANTS	5	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>125	6				
Sodium	ppm	ASTM D5185m		0				
Potassium	ppm	ASTM D5185m	>20	2				
VISUAL		method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE				
Yellow Metal	scalar	*Visual	NONE	NONE				
Precipitate	scalar	*Visual	NONE	NONE				
Silt	scalar	*Visual	NONE	NONE				
Debris	scalar	*Visual	NONE	NONE				
Sand/Dirt	scalar	*Visual	NONE	NONE				
Appearance	scalar	*Visual	NORML	NORML				
Odor	scalar	*Visual	NORML	NORML				
Emulsified Water	scalar	*Visual	>0.1	NEG				
Free Water	scalar	*Visual		NEG				
:54:52) Rev: 1					Submitted By: Mick Mickelso			



## **OIL ANALYSIS REPORT**



FLUID PROPERTIES	S method	limit/base	current	history1	histor
Visc @ 40°C c	St ASTM D44	5 100	87.8		
SAMPLE IMAGES	method	limit/base	current	history1	histor
Color			no image	no image	no imag
Bottom			no image	no image	no ima
GRAPHS Ferrous Alloys					
10 9					
8 7					
6 - Ed. 5 -					
4					
3					
Apr16,24		Apr16/24			
Non-ferrous Metals		4			
9 copper					
8 tin 7-					
6- E_5-					
4					
2					
0					
Apr16/24		Apr16/24			
Viscosity @ 40°C					
110 Abnormal		-			
105 -					
(2) 100 - Base (4) 5 95 -	****				
85					
80 Abnormal					
Apr16/24		Apr16/24			
-					
: WearCheck USA - 501 N : WC0929508	ladison Ave., Ca <b>Received</b> :	ry, NC 27513 18 Apr 2024		COVIA - 1704 GILLIES	LUGOFF
· WC0424508		$1 \times Anr 2024$		1/04 (4011065	CREEKP



Unique Number : 10983630 Diagnosed : 22 Apr 2024 - Sean Felton Test Package : CONST Certificate 12367 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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