

OIL ANALYSIS REPORT

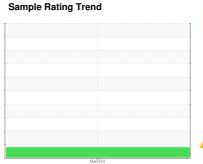
WEAR



CATERPILLAR 745D 13403 (S/N 3T606051)

Component **Rear Differential**

TDTO FLUID SAE 30 (--- GAL)





DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

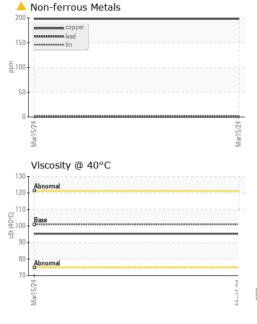
Fluid Condition

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

GAL)				Mar2024		
SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888105		
Sample Date		Client Info		15 Mar 2024		
Machine Age h	rs	Client Info		2246		
Oil Age h	rs	Client Info		2246		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron p	pm	ASTM D5185m	>500	128		
Chromium p	pm	ASTM D5185m	>3	2		
Nickel p	pm	ASTM D5185m	>3	<1		
Fitanium p	pm	ASTM D5185m	>2	<1		
Silver p	pm	ASTM D5185m	>2	0		
Aluminum p	pm	ASTM D5185m	>30	15		
_ead p	pm	ASTM D5185m	>13	0		
Copper p	pm	ASTM D5185m	>103	<u> </u>		
Гіп р	pm	ASTM D5185m	>5	3		
/anadium p	pm	ASTM D5185m		0		
Cadmium p	pm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	pm	ASTM D5185m	37	2		
	pm	ASTM D5185m	7	0		
	pm	ASTM D5185m	5	3		
	pm	ASTM D5185m		2		
	pm	ASTM D5185m	40	9		
	pm	ASTM D5185m	2650	3031		
	pm	ASTM D5185m	1050	995		
	pm	ASTM D5185m	1075	1209		
	pm	ASTM D5185m	5750	8426		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	pm	ASTM D5185m	>100	25		
	pm	ASTM D5185m		0		
	pm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
Vhite Metal s	calar	*Visual	NONE	NONE		
Yellow Metal s	calar	*Visual	NONE	NONE		
Precipitate s	calar	*Visual	NONE	NONE		
Silt s	calar	*Visual	NONE	NONE		
Debris s	calar	*Visual	NONE	NONE		
Sand/Dirt s	calar	*Visual	NONE	NONE		
Appearance s	calar	*Visual	NORML	NORML		
	calar	*Visual	NORML	NORML		
	calar	*Visual	>.2	NEG		
ree Water s	calar	*Visual		NEG		
14:12) Rev: 1					ation: MIKE WY	ATT - TRANE

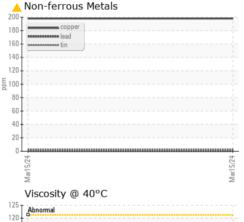


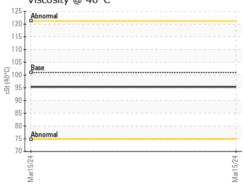
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FLUID PROPERTIES		method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	101	95.3			
SAMPLE IMAGES		method	limit/base	current	history1	history2	
Color				no image	no image	no image	
Bottom				no image	no image	no image	
GRAPHS							

140 -	Ferrous Alloys						
120	iron chromium	 	 			_	
00-	nickel						
80 -							
60-							
40 -							
20 -							
٥٢	Mar15/24	 	 		шш		Mar15/24
							Ma







Certificate L2367

Laboratory Sample No.

: WC0888105 Lab Number : 06122754 Unique Number : 10936905 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Mar 2024 : 20 Mar 2024

Tested Diagnosed : 21 Mar 2024 - Jonathan Hester

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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