

# **OIL ANALYSIS REPORT**

Sample Rating Trend

WATER



#### Machine Id CATERPILLAR 745D 13407 (S/N 3T606505) Component Front Differential

Fluid {not provided} (--- GAL)

## DIAGNOSIS

#### A Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### 📥 Wear

Bearing and/or bushing wear is indicated.

#### Contamination

There is a moderate concentration of water present in the oil.

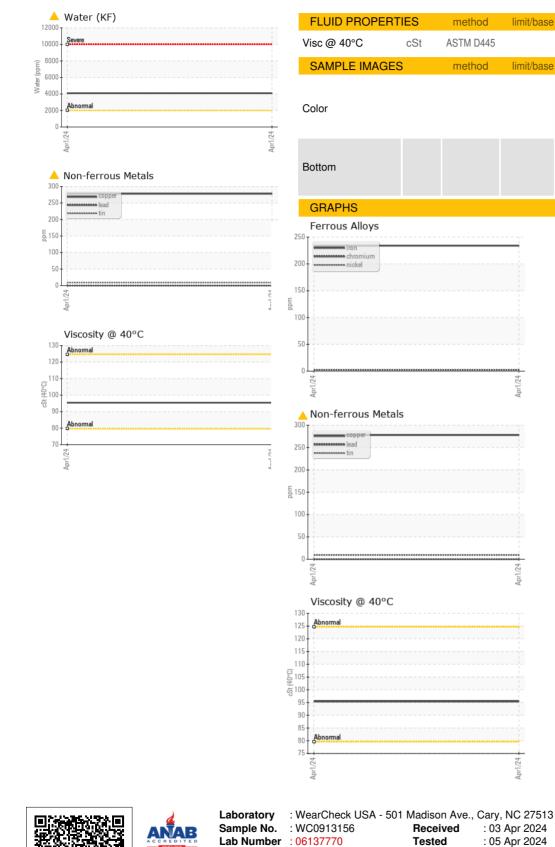
### Fluid Condition

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

IATION	method	limit/base	current	history1	history2
	Client Info		WC0913156		
	Client Info		01 Apr 2024		
hrs	Client Info		2290		
hrs	Client Info		2290		
	Client Info		Changed		
			ABNORMAL		
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>500	234		
	ASTM D5185m	>3	2		
	ASTM D5185m	>3	<1		
		>2			
	ASTM D5185m	>30	4		
	ASTM D5185m	>13	0		
			-		
			-		
			-		
ppm	ASTM D5185m		0		
	method	limit/base	current	history1	history2
ppm	ASTM D5185m		5		
ppm	ASTM D5185m		68		
ppm	ASTM D5185m		0		
	ASTM D5185m		3		
	ASTM D5185m		4		
	ASTM D5185m		3054		
	ASTM D5185m		1079		
	ASTM D5185m		1208		
ppm	ASTM D5185m		9502		
-					
-	method	limit/base	current	history1	history2
ppm	method	limit/base			
	method		current	history1	history2
ppm ppm	method ASTM D5185m		current 28	history1	history2
ppm	method ASTM D5185m ASTM D5185m	>100 >20	current 28 4	history1 	history2
ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>100 >20	current 28 4 0	history1  	history2  
ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>100 >20 >.2	current           28           4           0           ▲ 0.409           ▲ 4090	history1   	history2
ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>100 >20 >.2 >2000	current           28           4           0           ▲ 0.409           ▲ 4090	history1	history2
ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>100 >20 >.2 >2000 limit/base	current           28           4           0           ▲ 0.409           ▲ 4090           current	history1 history1	history2 history2
ppm ppm ppm % ppm scalar	method ASTM D5185m ASTM D5185m ASTM D5304 ASTM D6304 ASTM D6304 *Visual	>100 >20 >.2 >2000 limit/base NONE	current           28           4           0           ▲ 0.409           ▲ 4090           current           NONE	history1 history1	history2    history2 
ppm ppm ppm % ppm ppm scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method *Visual	>100 >20 >.2 >2000 limit/base NONE NONE	current           28           4           0           ▲ 0.409           ▲ 4090           current           NONE           NONE           NONE	history1 history1 history1	history2 history2 history2
ppm ppm ppm % ppm ppm scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 *Visual *Visual *Visual	>100 >20 >.2 >2000 limit/base NONE NONE NONE	current         28         4         0         ▲ 0.409         ▲ 4090         current         NONE         NONE         NONE         NONE         NONE	history1 history1 history1	history2 history2 history2
ppm ppm ppm % ppm scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>100 >20 >.2 >2000 limit/base NONE NONE NONE NONE	Current 28 4 0 ▲ 0.409 ▲ 4090 Current NONE NONE NONE NONE NONE	history1                  history1	history2 history2 history2
ppm ppm ppm % ppm scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>100 >20 >.2 >2000 limit/base NONE NONE NONE NONE NONE	current         28         4         0         ▲ 0.409         ▲ 4090         Current         NONE	history1 history1 history1	history2 history2 history2
ppm ppm % ppm % ppm scalar scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>100 >20 >2000 limit/base NONE NONE NONE NONE NONE NONE	current 28 4 0 ▲ 0.409 ▲ 4090 Current NONE NONE NONE NONE NONE NONE NONE NONE NONE	history 1                  history 1	history2 history2 history2
ppm ppm ppm % ppm ppm scalar scalar scalar scalar scalar scalar scalar	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>100 >20 >2000 imit/base NONE NONE NONE NONE NONE NONE NONE NON	Current 28 4 0 ▲ 0.409 ▲ 4090 Current NONE NONE NONE NONE NONE NONE NONE NONE NONE	history1                  history1	history2 history2 history2
	hrs hrs hrs ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	Client Info Client Info Client Info hrs Client Info Client Info ASTM D5185m ppm ASTM D5185m	Client Info           Client Info           Inrs         Client Info           hrs         Client Info           Client Info         Imit/base           Client Info         Imit/base           Client Info         Imit/base           Client Info         Store           Client Info         Imit/base           ppm         ASTM D5185m         >500           ppm         ASTM D5185m         >3           ppm         ASTM D5185m         >3           ppm         ASTM D5185m         >2           ppm         ASTM D5185m         >3           ppm         ASTM D5185m         >3           ppm         ASTM D5185m         >103           ppm         ASTM D5185m         >5           ppm         ASTM D5185m         >103           ppm         ASTM D5185m         103     <	Client Info       WC0913156         Client Info       01 Apr 2024         hrs       Client Info       2290         hrs       Client Info       2290         Client Info       2290         Client Info       2290         Client Info       Changed         Dread       MBNORMAL         Ppm       ASTM D5185m       >30         Ppm       ASTM D5185m       >3         Ppm       ASTM D5185m       >2       0         Ppm       ASTM D5185m       >30       4         Ppm       ASTM D5185m       >103       4         Ppm       ASTM D5185m       >103       278         Ppm       ASTM D5185m       >       9         Ppm       ASTM D5185m       >       0         Ppm       ASTM D5185m        0         Ppm       ASTM D5185m        68         Ppm       ASTM D5185m        3         Ppm       ASTM D5185m	Client Info       WC0913156          Client Info       01 Apr 2024          hrs       Client Info       2290          hrs       Client Info       2290          Client Info       2290          Client Info       Changed          Client Info       Store       ABNORMAL          Ppm       ASTM D5185m       >30       234          ppm       ASTM D5185m       >3       <1



# **OIL ANALYSIS REPORT**



TRADER CONSTRUCTION CO. : 03 Apr 2024 PO DRAWER 1578 : 05 Apr 2024 NEW BERN, NC : 05 Apr 2024 - Sean Felton US 28563 Contact: MIKE WYATT To discuss this sample report, contact Customer Service at 1-800-237-1369. mwyatt@traderconstruction.com T: (252)633-1399 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (252)638-4871

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. 同約

Certificate 12367

Unique Number : 10962578

Test Package : CONST (Additional Tests: KF)

Diagnosed

Contact/Location: MIKE WYATT - TRANEW

history1

history1

no image

no image

current

current

no image

no image

95.4

history2

history2

no image

no image