

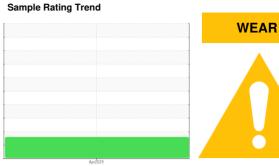
OIL ANALYSIS REPORT



Machine Id CATERPILLAR 745D 13405 (S/N 3T606094)

Rear Differential

{not provided} (--- GAL)



DIAGNOSIS

Recommendation

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

Wear

The aluminum level is abnormal. The copper level is abnormal.

Contamination

There is no indication of any contamination in the

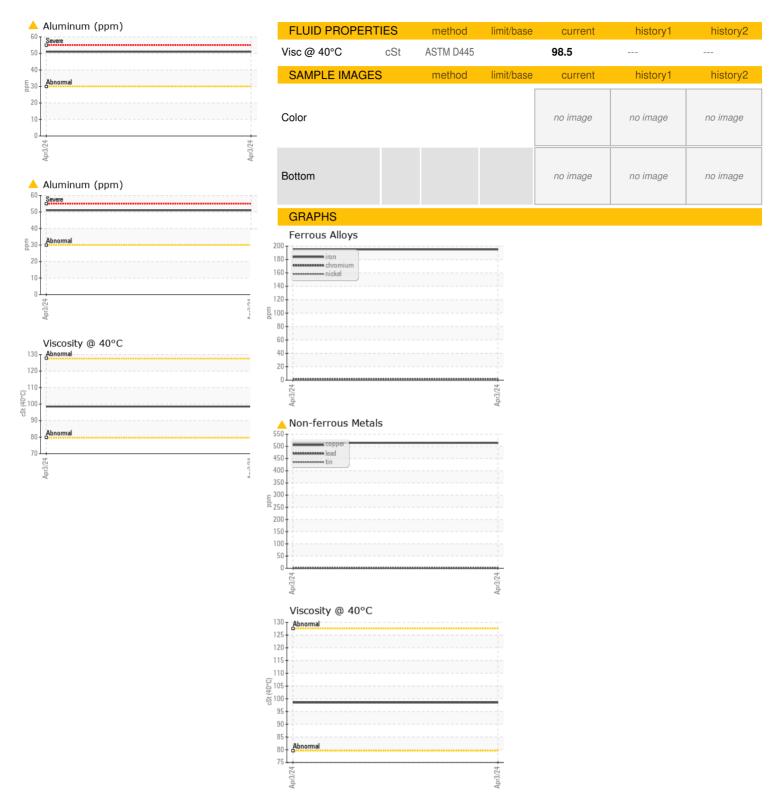
Fluid Condition

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

L)				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0913167		
Sample Date		Client Info		03 Apr 2024		
Machine Age	hrs	Client Info		2240		
Oil Age	hrs	Client Info		2240		
Oil Changed	1110	Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	195		
Chromium	ppm	ASTM D5185m	>3	2		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	<u>^</u> 51		
Lead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	<u></u> 514		
Tin	ppm	ASTM D5185m	>5	4		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base		hiotomid	biotom ()
ADDITIVES		method	IIIIII/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		12		
Calcium	ppm	ASTM D5185m		3277		
Phosphorus	ppm	ASTM D5185m		1111		
Zinc	ppm	ASTM D5185m		1247		
Sulfur	ppm	ASTM D5185m		10129		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	25		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
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	>.2	NEG		
Free Water	scalar	*Visual		NEG		
6:55:10) Rev: 1					ation: MIKE WY	ATT - TRANEW



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0913167 Lab Number : 06147687 Unique Number : 10977765 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Apr 2024 **Tested** : 15 Apr 2024

Diagnosed : 16 Apr 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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