

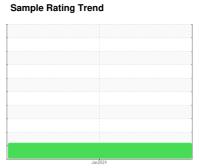
OIL ANALYSIS REPORT



CATERPILLAR 745D 13400 (S/N 3T606050)

Hydraulic System

{not provided} (--- GAL





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

L)			•	Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0887967		
Sample Date		Client Info		05 Jan 2024		
Machine Age	hrs	Client Info		1995		
Oil Age	hrs	Client Info		1995		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	7		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		3		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		13		
Calcium	ppm	ASTM D5185m		3055		
Phosphorus	ppm	ASTM D5185m		1001		
Zinc	ppm	ASTM D5185m		1201		
Sulfur	ppm	ASTM D5185m		4048		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>20	10		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6μm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	100		
Particles >21µm		ASTM D7647	>40	21		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>4</u> 24/21/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	ACTM DODAE		1.60		

Acid Number (AN)

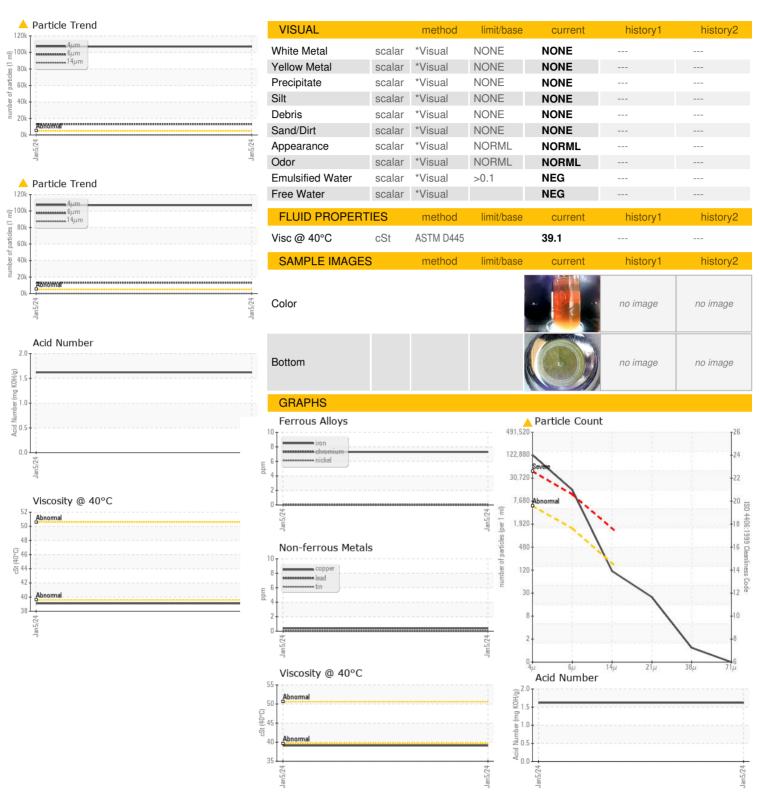
mg KOH/g ASTM D8045

Contact/Location: MIKE WYATT - TRANEW

Report Id: TRANEW [WUSCAR] 06059234 (Generated: 01/15/2024 20:02:48) Rev: 1



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

: WC0887967 : 06059234 : 10830616 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Jan 2024 Recieved Diagnosed : 15 Jan 2024

: Don Baldridge Diagnostician

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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