

OIL ANALYSIS REPORT

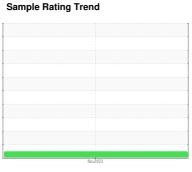
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NORMAL



CATERPILLAR 745D 13393 (S/N 3T605704)

Component
Center Differential
Fluid
NOT GIVEN (--- GAL)





DIAGNOSIS

Recommendation

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

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

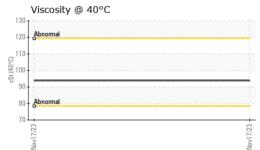
Fluid Condition

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

				Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
		Client Info	mma sass	WC0831280		
Sample Number		Client Info		17 Nov 2023		
Sample Date Machine Age	hrs	Client Info		17 NOV 2023		
Oil Age	hrs	Client Info		1915		
Oil Changed	1115	Client Info		Changed		
Sample Status		Olletti Ittio		NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water	IN	WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	123		
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	6		
Lead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	110		
Tin	ppm	ASTM D5185m	>5	1		
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		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		10		
Calcium	ppm	ASTM D5185m		3178		
Phosphorus	ppm	ASTM D5185m		1027		
Zinc	ppm	ASTM D5185m		1219		
Sulfur	ppm	ASTM D5185m		7608		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	25		
Sodium	ppm	ASTM D5185m	00	4		
Potassium	ppm	ASTM D5185m		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		

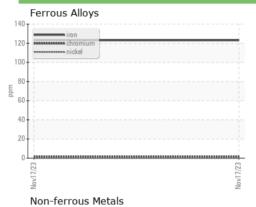


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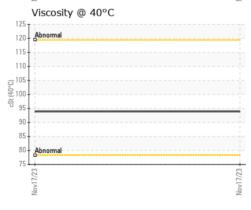


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		93.9		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



100 80





Laboratory Sample No.

Lab Number Unique Number : 10776649 Test Package : CONST

: WC0831280 : 06026858

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 06 Dec 2023 : 08 Dec 2023 Diagnostician : Don Baldridge TRADER CONSTRUCTION CO. PO DRAWER 1578

NEW BERN, NC US 28563

Contact: MIKE WYATT mwyatt@traderconstruction.com

T: (252)633-1399 F: (252)638-4871

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)