

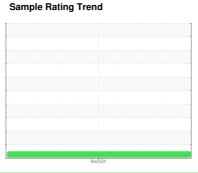
OIL ANALYSIS REPORT



CATERPILLAR 745D 13399 (S/N 3T606049)

Component **Front Differential**

TDTO FLUID SAE 30 (-





Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 30. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

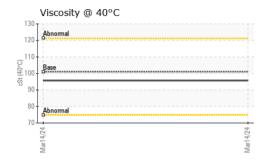
The condition of the oil is acceptable for the time in service.

Sample Number Client Info WC0888080 Sample Date Client Info 14 Mar 2024 Machine Age hrs Client Info 2169 Oil Age hrs Client Info 2169 Oil Changed Client Info Changed Sample Status NORMAL CONTAMINATION method limit/base current Water WC Method 2 NEG WEAR METALS method limit/base current hr Iron ppm ASTM D5185m >500 161 WEAR METALS method limit/base current hr Iron ppm ASTM D5185m >3 2 Iron ppm ASTM D5185m >3 2 Nickel ppm ASTM D5185m >2 <1 Silver ppm ASTM D5185m >30 6 <td< th=""><th></th></td<>	
Sample Number Client Info WC0888080 Sample Date Client Info 14 Mar 2024 Machine Age hrs Client Info 2169 Oil Age hrs Client Info 2169 Oil Changed Client Info Changed Sample Status NORMAL CONTAMINATION method limit/base current Water WC Method 2 NEG WEAR METALS method limit/base current hr Iron ppm ASTM D5185m >500 161 WEAR METALS method limit/base current hr Iron ppm ASTM D5185m >3 2 WEAR METALS method limit/base current hr Iron ppm ASTM D5185m >3 2 Iron ppm ASTM D5185m >2 <1	
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Fitanium ppm ASTM D5185m >2 <1	
ASTM D5185m Solution	
ASTM D5185m >30 6	
Lead ppm ASTM D5185m >13 <1 Copper ppm ASTM D5185m >103 97 Fin ppm ASTM D5185m 5 2 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current F Boron ppm ASTM D5185m 37 2 Barium ppm ASTM D5185m 7 0 Molybdenum ppm ASTM D5185m 5 3	
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Molybdenum ppm ASTM D5185m 5 3	
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Manganese ppm ASTM D5185m 2	
Magnesium ppm ASTM D5185m 40 10	
Calcium ppm ASTM D5185m 2650 3013	
Phosphorus ppm ASTM D5185m 1050 992	
Zinc ppm ASTM D5185m 1075 1193	
Sulfur ppm ASTM D5185m 5750 8875	
CONTAMINANTS method limit/base current h	nistory1 history2
Silicon ppm ASTM D5185m >100 27	
Sodium ppm ASTM D5185m 0	
Potassium ppm ASTM D5185m >20 2	
VISUAL method limit/base current h	nistory1 history2
White Metal scalar *Visual NONE NONE	
′ellow 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	

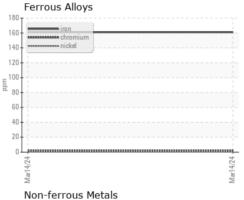
Contact/Location: MIKE WYATT - TRANEW

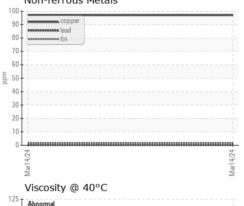


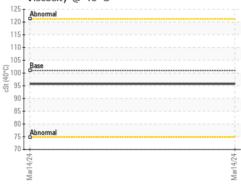
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	101	95.7		
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						









Laboratory Sample No.

: WC0888080 Lab Number : 06122749 Unique Number : 10936900

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

Tested Diagnosed Test Package : CONST

TRADER CONSTRUCTION CO.

PO DRAWER 1578 NEW BERN, NC US 28563

F: (252)638-4871

Contact: MIKE WYATT

mwyatt@traderconstruction.com T: (252)633-1399

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)

Received

: 19 Mar 2024

: 20 Mar 2024

: 20 Mar 2024 - Wes Davis

Report Id: TRANEW [WUSCAR] 06122749 (Generated: 03/20/2024 16:17:03) Rev: 1

Contact/Location: MIKE WYATT - TRANEW