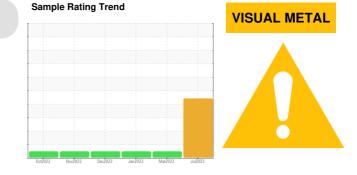
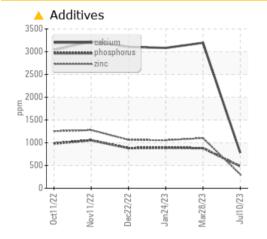


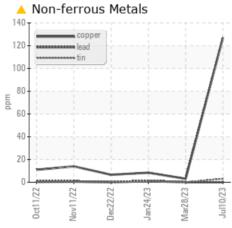
PROBLEM SUMMARY

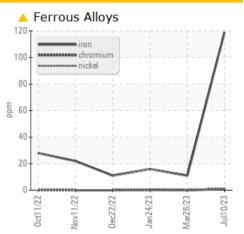


Machine Id CATERPILLAR 745D 13377 (S/N 3T603285) Component Transmission (Manual) Fluid TDTO FLUID SAE 30 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	<u> </u>	11	16
Copper	ppm	ASTM D5185m	>225	🔺 127	3	8
Boron	ppm	ASTM D5185m	37	<u> </u>	6	14
Calcium	ppm	ASTM D5185m	2650	A 781	3195	3083
Phosphorus	ppm	ASTM D5185m	1050	<u> </u>	881	889
Zinc	ppm	ASTM D5185m	1075	A 306	1102	1055
Yellow Metal	scalar	*Visual	NONE	A MODER	NONE	NONE

Customer Id: TRANEW Sample No.: WC0831228 Lab Number: 05899064 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



28 Mar 2023 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

24 Jan 2023 Diag: Don Baldridge



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of

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



view report

22 Dec 2022 Diag: Don Baldridge

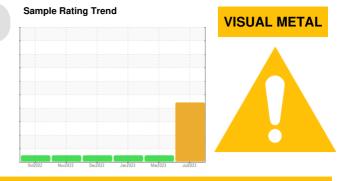


Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.





OIL ANALYSIS REPORT



Machine Id CATERPILLAR 745D 13377 (S/N 3T603285) Component

Transmission (Manual) Fluid TDTO FLUID SAE 30 (--- GAL)

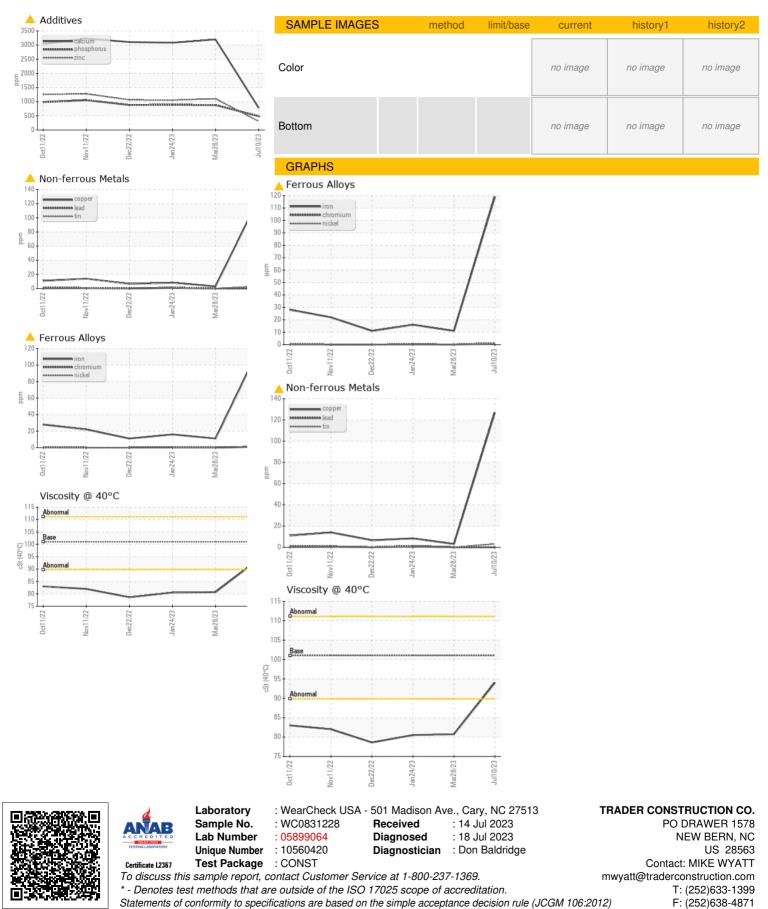
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0831228	WC0791047	WC0775860
il and filter change at the time of sampling has	Sample Date		Client Info		10 Jul 2023	28 Mar 2023	24 Jan 2023
een noted. We recommend an early resample to	Machine Age	hrs	Client Info		4089	2821	2025
onitor this condition.	Oil Age	hrs	Client Info		1268	796	964
Wear	Oil Changed		Client Info		Changed	Changed	Changed
An increase in the iron level is noted. An increase in	Sample Status				ABNORMAL	NORMAL	NORMAL
e copper level is noted. Moderate concentration of sible yellow metal present.	WEAR METALS		method	limit/base	current	history1	history2
ontamination	Iron	ppm	ASTM D5185m	>200	人 119	11	16
ere is no indication of any contamination in the	Chromium	ppm	ASTM D5185m	>5	1	0	<1
luid.	Nickel	ppm	ASTM D5185m		<1	0	<1
Fluid Condition	Titanium	ppm	ASTM D5185m		0	0	0
ditive levels indicate the addition of a different	Silver	ppm	ASTM D5185m	>7	0	0	0
nd, or type of fluid. Confirm oil type.	Aluminum	ppm	ASTM D5185m		9	1	<1
	Lead	ppm	ASTM D5185m		0	0	1
	Copper	ppm	ASTM D5185m		▲ 127	3	8
	Tin	ppm	ASTM D5185m		3	0	<1
	Vanadium	ppm	ASTM D5185m	210	<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES	ppm	method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		▲ 107	6	14
	Barium	ppm	ASTM D5185m		2	0	0
	Molybdenum	ppm	ASTM D5185m	5	<1	5	4
	Manganese	ppm	ASTM D5185m		2	<1	<1
	Magnesium	ppm	ASTM D5185m		4	64	51
	Calcium	ppm	ASTM D5185m		<u> </u>	3195	3083
	Phosphorus	ppm	ASTM D5185m		<u> </u>	881	889
	Zinc	ppm	ASTM D5185m		<u> </u>	1102	1055
	Sulfur	ppm	ASTM D5185m		3228	4013	4578
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>125	9	7	8
	Sodium	ppm	ASTM D5185m		1	1	2
	Potassium	ppm	ASTM D5185m	>20	<1	0	0
	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Vallow Matal	scalar	*Visual	NONE	A MODER	NONE	NONE
	Yellow Metal						
	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
			*Visual *Visual	NONE NONE	NONE	NONE	NONE
	Precipitate	scalar					
	Precipitate Silt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Precipitate Silt Debris	scalar scalar scalar	*Visual *Visual	NONE NONE	NONE NONE	NONE LIGHT	NONE NONE
	Precipitate Silt Debris Sand/Dirt	scalar scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	NONE LIGHT NONE	NONE NONE NONE
	Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NONE NORML	NONE LIGHT NONE NORML	NONE NONE NORML
	Precipitate Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORML NORML	NONE LIGHT NONE NORML NORML	NONE NONE NORML NORML
	Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORML NORML NEG	NONE LIGHT NONE NORML NORML NEG	NONE NONE NORML NORML NEG

Report Id: TRANEW [WUSCAR] 05899064 (Generated: 07/18/2023 18:11:51) Rev: 1

Contact/Location: MIKE WYATT - TRANEW



OIL ANALYSIS REPORT



Contact/Location: MIKE WYATT - TRANEW