

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Machine Id **CATERPILLAR 745D 13395 (S/N 3T605878)** Component Hydraulic System Fluid

TDH FLUID SAE 70W80 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 70W80. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is a light 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.

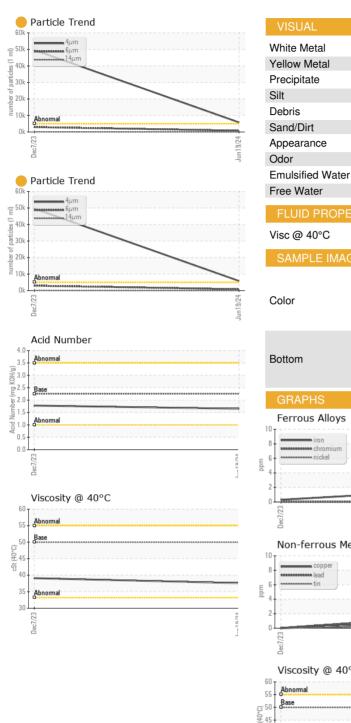
) (GAL)			Dec2023	Jun2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0899145	WC0879452	
Sample Date		Client Info		19 Jun 2024	07 Dec 2023	
Machine Age	hrs	Client Info		3986	2028	
Dil Age	hrs	Client Info		3986	2028	
Dil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	2	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
lickel	ppm	ASTM D5185m	>10	0	0	
itanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm		>10	2	<1	
_ead	ppm	ASTM D5185m	>10	2	0	
Copper	ppm	ASTM D5185m	>75	-	0	
Tin	ppm	ASTM D5185m	>10	، <1	0	
/anadium	ppm	ASTM D5185m	210	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	2	0	
Barium	ppm	ASTM D5185m	10	0	0	
lolybdenum	ppm	ASTM D5185m	10	0	0	
/langanese	ppm	ASTM D5185m		<1	<1	
lagnesium	ppm	ASTM D5185m	100	13	13	
Calcium	ppm	ASTM D5185m	3500	3130	3070	
Phosphorus	ppm	ASTM D5185m	1150	1083	1029	
Zinc	ppm	ASTM D5185m	1150	1256	1229	
Sulfur		ASTM D5185m	5000	4725	3968	
	ppm					
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>20	6	6	
Godium	ppm	ASTM D5185m		4	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6798	49686	
Particles >6µm		ASTM D7647	>1300	779	▲ 2972	
Particles >14µm		ASTM D7647	>160	30	92	
Particles >21µm		ASTM D7647	>40	3	25	
Particles >38µm		ASTM D7647	>10	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
Dil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	▲ 23/19/14	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	1.65	1.78	
41:23) Rev: 1		Contact/Location: MIKE WYATT - TRANEW				

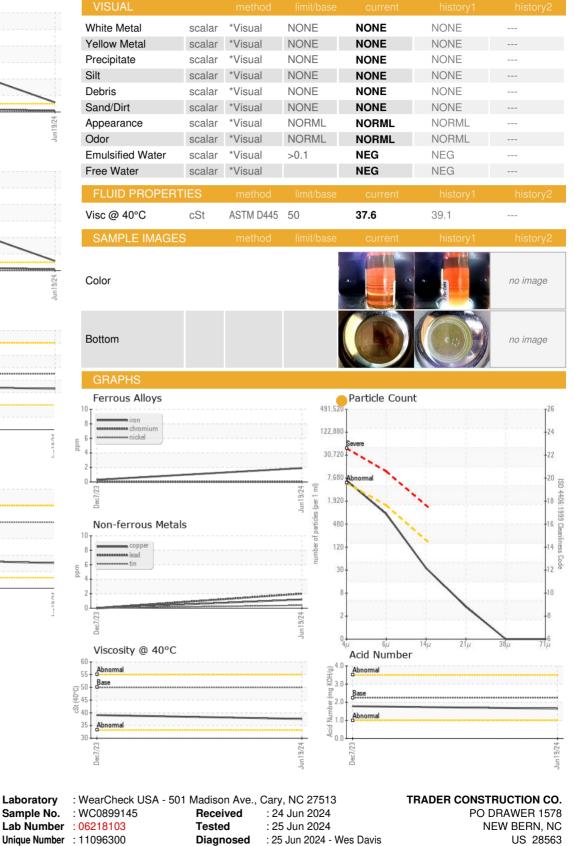
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Contact/Location: MIKE WYATT - TRANEW Page 1 of 2



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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.

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Contact: MIKE WYATT mwyatt@traderconstruction.com T: (252)633-1399 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (252)638-4871

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Certificate 12367

Laboratory

Sample No.

Test Package : CONST

Contact/Location: MIKE WYATT - TRANEW