

PROBLEM SUMMARY

Sample Rating Trend

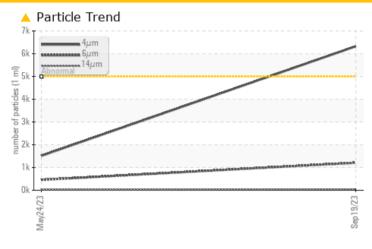


BLK BLK

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TE	ST RESULTS				
Sample Status			ATTENTION	NORMAL	
Particles >4µm	ASTM D7647	>5000	△ 6325	1515	
Oil Cleanliness	ISO 4406 (c)	\19/17/1 <i>4</i>	A 20/17/13	18/16/12	

Customer Id: TESAUSTLC Sample No.: TLC05964604 Lab Number: 05964604 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

24 May 2023 Diag: Jonathan Hester

NORMAL



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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend ISO

BLK BLK

Component

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate 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.

			May2023	Sep 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC05964604	TLC0001164	
Sample Date		Client Info		19 Sep 2023	24 May 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	3	4	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	
Barium	ppm	ASTM D5185m	5	<1	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	25	6	3	
Calcium	ppm	ASTM D5185m	200	42	39	
Phosphorus	ppm	ASTM D5185m	300	427	421	
Zinc	ppm	ASTM D5185m	370	579	571	
Sulfur	ppm	ASTM D5185m	2500	1225	1411	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	
Sodium	ppm	ASTM D5185m		1	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	△ 6325	1515	
Particles >6µm		ASTM D7647	>1300	1209	458	
Particles >14µm		ASTM D7647	>160	42	25	
Particles >21µm		ASTM D7647	>40	6	4	
Particles >38μm		ASTM D7647	>10	0	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 20/17/13	18/16/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	та КОЦ/а	ACTM DOOM	0.57	0.54	0.49	

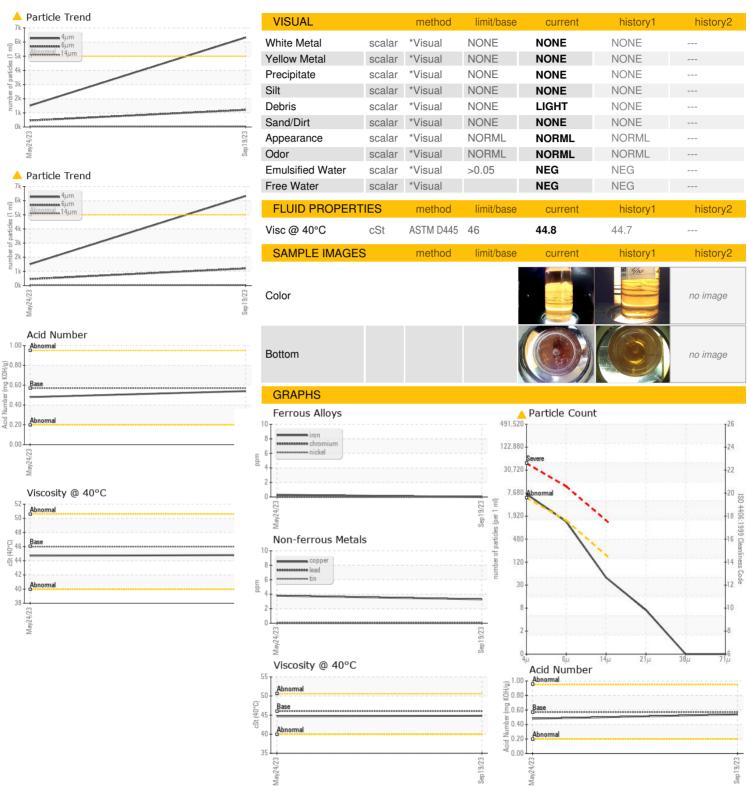
Acid Number (AN) mg KOH/g ASTM D8045 0.57

0.48

0.54



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: TLC05964604 : 05964604 : 10671155 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Sep 2023 : 02 Oct 2023 Diagnosed : 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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