

PROBLEM SUMMARY

Hauser Machine Id HAU00 Spill Gates Hydrauilic Oil - LE4046 Component

Case Drain Hydraulic System Fluid BIOFLO AW 46 (5 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>20	<u> </u>	A 309	2 94		
Debris	scalar	*Visual	NONE	🔺 MODER	NONE	NONE		

Customer Id: PPLBUT Sample No.: WC0757762 Lab Number: 05936085 Test Package: IND 2



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							
Action	Status	Date	Done By	Description			
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.			
Change Filter			?	We recommend you service the filters on this component if applicable.			
Resample			?	We recommend an early resample to monitor this condition.			
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.			

HISTORICAL DIAGNOSIS



21 Apr 2023 Diag: Don Baldridge

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample. The iron level is abnormal. Moderate concentration of visible metal present. No other contaminants were detected in the oil. The AN level is acceptable for this fluid.



view report



06 Nov 2022 Diag: Don Baldridge

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

23 May 2022 Diag: Jonathan Hester



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Hauser Machine Id HAU00 Spill Gates Hydrauilic Oil - LE4046 Component

Case Drain Hydraulic System Fluid BIOFLO AW 46 (5 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

A Wear

The iron level is abnormal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0757762	WC05835919	WC0757748
Sample Date		Client Info		19 Aug 2023	21 Apr 2023	06 Nov 2022
Machine Age	vrs	Client Info		0	0	0
Oil Age	vrs	Client Info		0	0	0
Oil Changed	,	Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
		un atla a d	line it /le e e e		la la tana mud	history O
WEAR METALS		method	limit/base	current	nistory i	nistory2
Iron	ppm	ASTM D5185m	>20	A 361	A 309	2 94
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	2
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	11	7	10
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		<1	<1	<1
Phosphorus	ppm	ASTM D5185m		319	278	276
Zinc	ppm	ASTM D5185m		20	15	15
Sulfur	ppm	ASTM D5185m		2404	1969	2037
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	maa	ASTM D5185m	>15	7	6	6
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4um		ASTM D7647	>320			A 11157
Particles >6µm		ASTM D7647	>80			▲ 830
Particles >14um		ASTM D7647	>20			▲ 39
Particles >21um		ASTM D7647	>4			A 9
Particles >38um		ASTM D7647	>3			0
Particles >71um		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>15/13/11			21/17/12
		method	limit/baco	ourrent	history1	history2
TEOID DEGRADA		methou	milluase	current	Thistory I	TIStOry2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.50	1.49	1.49



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	🔺 MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	42.9	43.1	44.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
						IN REALINE HYDRINE

Color



Bottom





Viscosity @ 40°C







Contact/Location: STANLEY BOGNATZ - PPLBUT