



PROBLEM SUMMARY

Sample Rating Trend



ISO



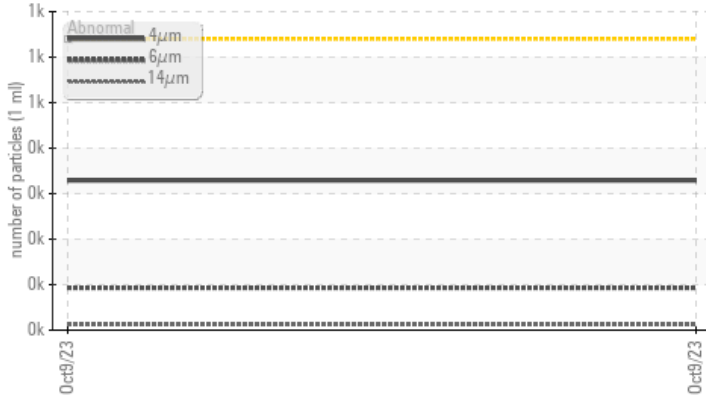
Machine Id
46396

Component
Hydraulic System

Fluid
SAFETY-KLEEN PERFORMANCE PLUS HYD. AW32 (175 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >6µm	ASTM D7647	>40	▲ 93	---	---
Particles >14µm	ASTM D7647	>10	▲ 12	---	---
Particles >21µm	ASTM D7647	>3	▲ 4	---	---
Oil Cleanliness	ISO 4406 (c)	>16/12/10	▲ 16/14/11	---	---
PrtFilter				no image	no image

Customer Id: BSHJACTN
Sample No.: PH0002338
Lab Number: 06001586
Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
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jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
46396

Component
Hydraulic System

Fluid
SAFETY-KLEEN PERFORMANCE PLUS HYD. AW32 (175 GAL)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PH0002338	---	---
Sample Date	Client Info		09 Oct 2023	---	---
Machine Age	yrs	Client Info	2	---	---
Oil Age	yrs	Client Info	2	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	0	---	---
Chromium	ppm	ASTM D5185m >20	<1	---	---
Nickel	ppm	ASTM D5185m >20	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >20	2	---	---
Lead	ppm	ASTM D5185m >20	0	---	---
Copper	ppm	ASTM D5185m >20	<1	---	---
Tin	ppm	ASTM D5185m >20	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 11	0	---	---
Barium	ppm	ASTM D5185m 0.0	0	---	---
Molybdenum	ppm	ASTM D5185m 1.2	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m 0.0	<1	---	---
Calcium	ppm	ASTM D5185m 35	50	---	---
Phosphorus	ppm	ASTM D5185m 324	320	---	---
Zinc	ppm	ASTM D5185m 400	446	---	---
Sulfur	ppm	ASTM D5185m 1528	898	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	<1	---	---

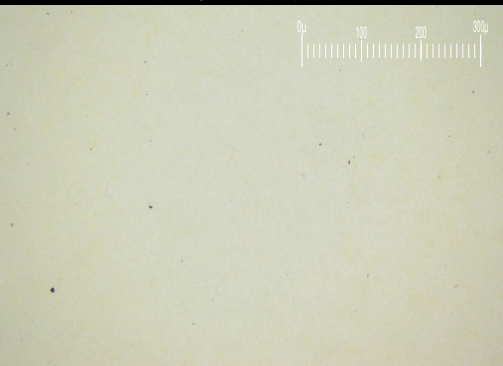
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>640	329	---	---
Particles >6µm	ASTM D7647	>40	▲ 93	---	---
Particles >14µm	ASTM D7647	>10	▲ 12	---	---
Particles >21µm	ASTM D7647	>3	▲ 4	---	---
Particles >38µm	ASTM D7647	>3	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>16/12/10	▲ 16/14/11	---	---

FLUID DEGRADATION

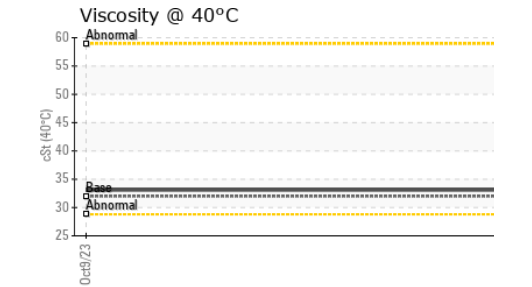
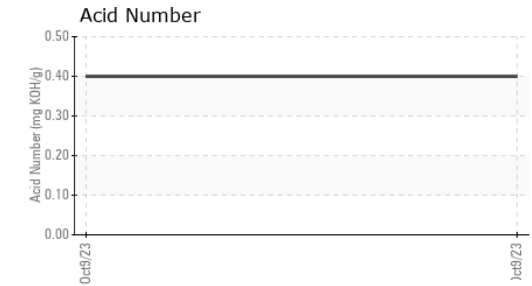
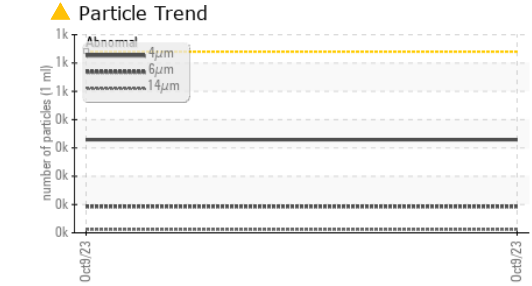
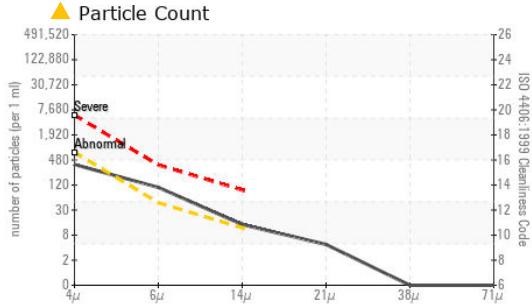
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	---	---

Particle Filter (Magn: 200 x)





OIL ANALYSIS REPORT



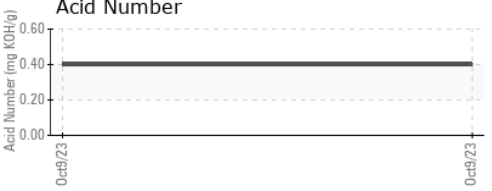
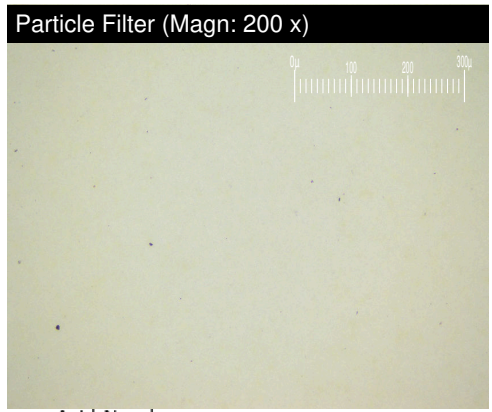
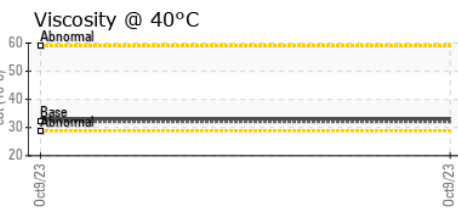
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	32.0	33.1	---	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0002338 **Received** : 08 Nov 2023
Lab Number : 06001586 **Diagnosed** : 21 Nov 2023
Unique Number : 10729946 **Diagnostician** : Jonathan Hester
Test Package : PLANT (Additional Tests: PrtFilter)

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Certificate L2367
 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)