



PROBLEM SUMMARY

Sample Rating Trend



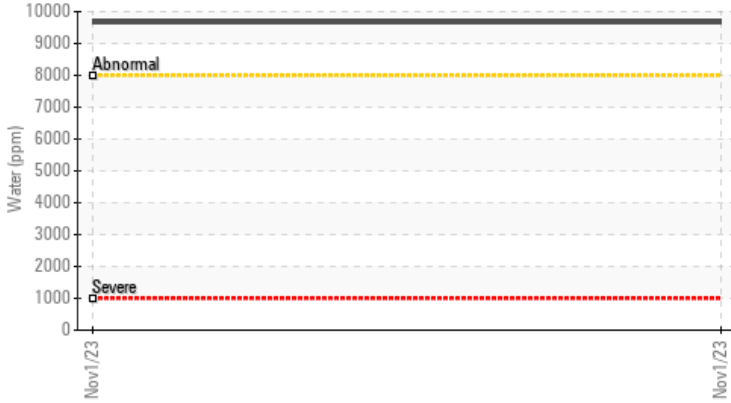
WATER



Machine Id
23-PC-23 (S/N 60C)
 Component
Hydraulic System
 Fluid
SKYDROL 500B-4 (--- LTR)

COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.
 Chlorine measured at 141 ppm.

PROBLEMATIC TEST RESULTS

Sample Status				MARGINAL	---	---
Water	%	ASTM D6304	>0.8	▲ 0.967	---	---
ppm Water	ppm	ASTM D6304	>8000	▲ 9670	---	---

Customer Id: WOOSANCA
 Sample No.: WC0826399
 Lab Number: 05997069
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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



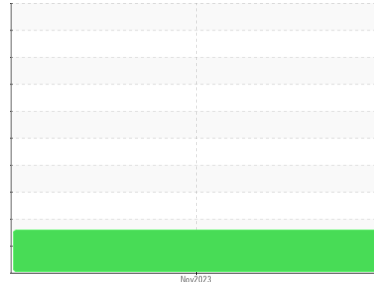
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
23-PC-23 (S/N 60C)
 Component
Hydraulic System
 Fluid
SKYDROL 500B-4 (--- LTR)



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Chlorine measured at 141 ppm.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

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	WC0826399	---	---
Sample Date	Client Info	01 Nov 2023	---	---
Machine Age	hrs	0	---	---
Oil Age	hrs	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		MARGINAL	---	---

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	5	---	---
Barium ppm	ASTM D5185m	0	---	---
Molybdenum ppm	ASTM D5185m	0	---	---
Manganese ppm	ASTM D5185m	0	---	---
Magnesium ppm	ASTM D5185m	<1	---	---
Calcium ppm	ASTM D5185m	4	---	---
Phosphorus ppm	ASTM D5185m	27769	---	---
Zinc ppm	ASTM D5185m	9	---	---
Sulfur ppm	ASTM D5185m	1653	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	0	---	---
Sodium ppm	ASTM D5185m >50	<1	---	---
Potassium ppm	ASTM D5185m >20	10	---	---
Chlorine Content ppm	ASTM D5185m	141	---	---
Water %	ASTM D6304 >0.8	▲ 0.967	---	---
ppm Water	ASTM D6304 >8000	▲ 9670	---	---

FLUID CLEANLINESS

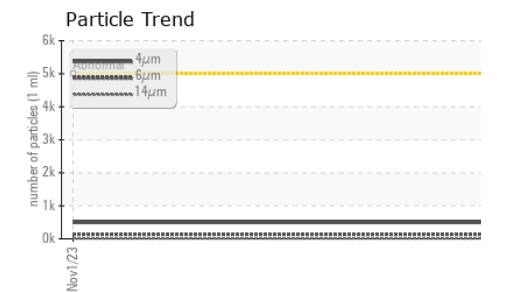
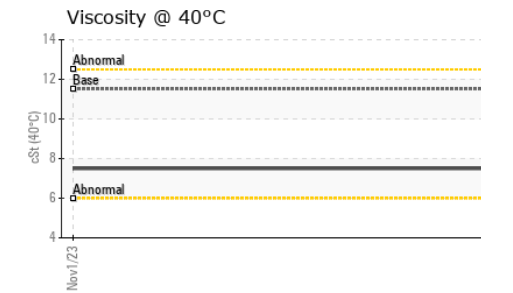
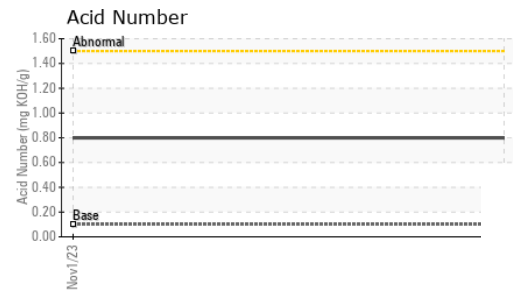
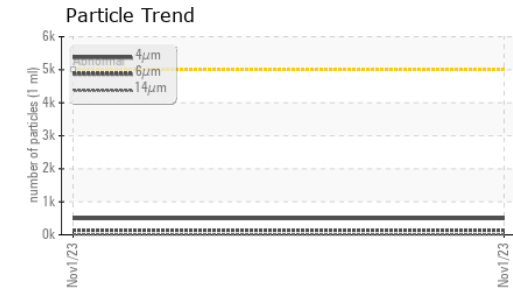
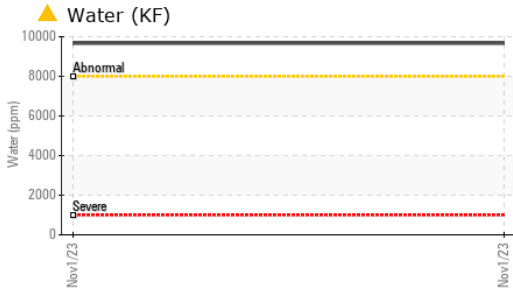
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	496	---	---
Particles >6µm	ASTM D7647 >1300	136	---	---
Particles >14µm	ASTM D7647 >160	12	---	---
Particles >21µm	ASTM D7647 >40	4	---	---
Particles >38µm	ASTM D7647 >10	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	16/14/11	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.10	0.799	---	---



OIL ANALYSIS REPORT



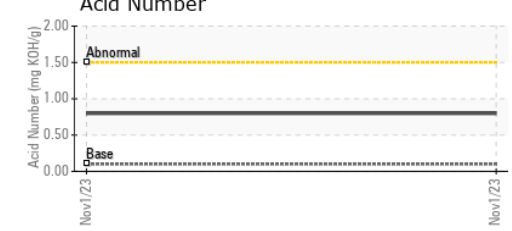
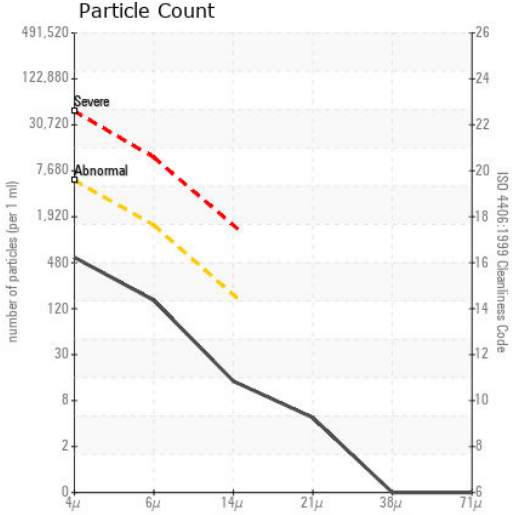
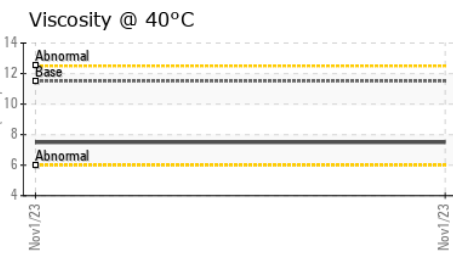
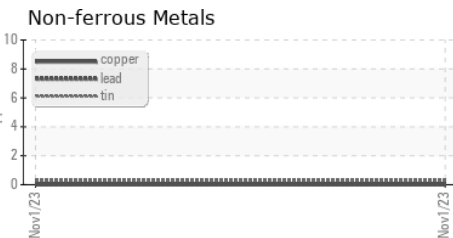
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.8	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	11.51	7.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0826399 **Received** : 02 Nov 2023
Lab Number : 05997069 **Diagnosed** : 13 Nov 2023
Unique Number : 10725429 **Diagnostician** : Doug Bogart
Test Package : PLANT (Additional Tests: CHLORINEXRF)

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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