

# Sample Rating Trend WEAR

Machine Id **21-PC-23 (S/N 60A)** Component Hydraulic System Fluid SKYDROL 500B-4 (--- LTR)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Chlorine measured at 176 ppm.

PROBLEMATIC TEST RESULTS									
Sample Status		ABNORMAL							
Copper	ppm	ASTM D5185m	>20	<u> </u>					

Customer Id: WOOSANCA Sample No.: WC0826397 Lab Number: 05997067 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 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

21-PC-23 (S/N 60A) Component **Hydraulic System** SKYDROL 500B-4 (--- LTR)

### DIAGNOSIS

### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Chlorine measured at 176 ppm.

### A Wear

The copper level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination 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 INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0826397		
Sample Date		Client Info		01 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
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		<u> </u>		
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		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		3		
Calcium	ppm	ASTM D5185m		8		
Phosphorus	ppm	ASTM D5185m		25894		
Zinc	ppm	ASTM D5185m		26		
Sulfur	ppm	ASTM D5185m		1524		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	12		
Chlorine Content	ppm	ASTM D5185m	~_0	12	-	
Water	%	ASTM D518511	>0.8	0.457		
ppm Water	ppm	ASTM D6304		4570		
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	243		
Particles >6µm		ASTM D7647	>1300	69		
Particles >14µm		ASTM D7647 ASTM D7647	>160	9		
Particles >21µm		ASTM D7647		2		
Particles >38µm		ASTM D7647 ASTM D7647	>10	0		
Particles >30µm		ASTM D7647 ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>3 >19/17/14	0 15/13/10		
FLUID DEGRADA		( )			history	
			limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.10	0.683		

Report Id: WOOSANCA [WUSCAR] 05997067 (Generated: 11/13/2023 13:35:24) Rev: 1

Contact/Location: REYNARD GOLDMAN - WOOSANCA



Acid Number

Water (KF)

1 60 -Abnorma

1.40 1.40 1.20 1.00 1.00 0.80

PB 0.40

1000

800

600 Water

4000

200

() 10 90

cSt (

Sev

Viscosity @ 40°C

0.20 Ba 0.00

# **OIL ANALYSIS REPORT**

scalar

scalar

method

\*Visual

\*Visual

limit/base

NONE

NONE

current

NONE

NONE

history1

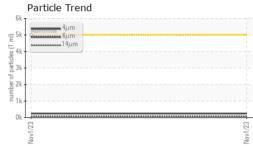
history2

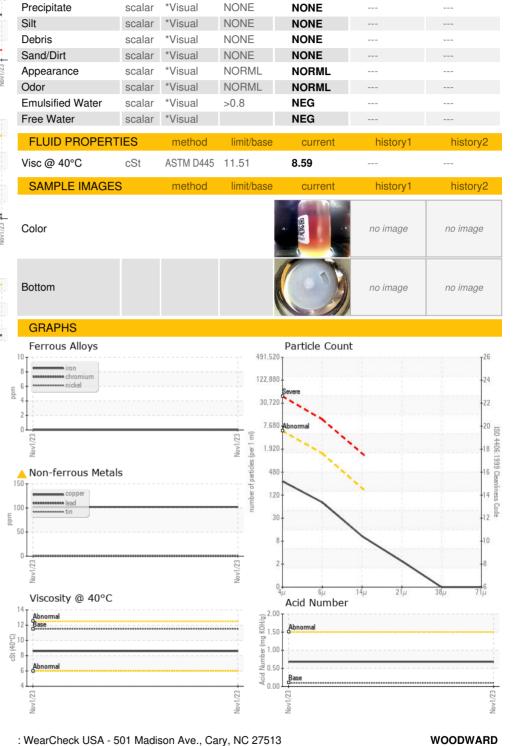
VISUAL

White Metal

Yellow Metal







Laboratory

Sample No.

: WC0826397

: 05997067

: 10725427

Received

Diagnosed

: 02 Nov 2023

: 13 Nov 2023

Diagnostician : Doug Bogart

Contact/Location: REYNARD GOLDMAN - WOOSANCA

US 91355

F:

25200 W RYE CANYON RD

Contact: REYNARD GOLDMAN

reynard.goldman@woodward.com

SANTA CLARITA, CA

T: (661)702-5991