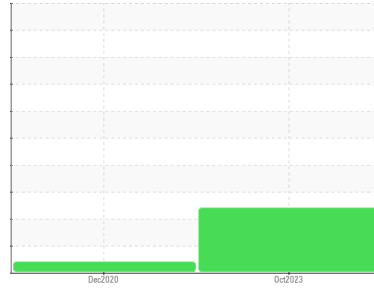




PROBLEM SUMMARY

Area
PLANT 1
 Machine Id
BAY 5 CTL
 Component
2 Hydraulic System
 Fluid
COMMERCIAL OIL LUBRIKO AW 46 (1000 LTR)

Sample Rating Trend

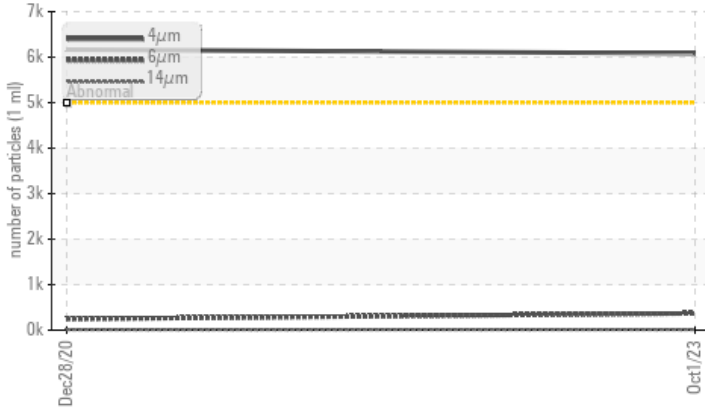


VISUAL METAL



COMPONENT CONDITION SUMMARY

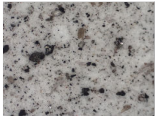
▲ Particle Trend



RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. **DISCLAIMER:** Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ATTENTION	---
Particles >4µm		ASTM D7647	>5000	▲ 6083	▲ 6166	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/16/11	▲ 20/15/10	---
White Metal	scalar	Visual*	NONE	▲ VLITE	NONE	---
Debris	scalar	Visual*	NONE	▲ LIGHT	NONE	---
PrtFilter					no image	no image

Customer Id: TAYSTO
Sample No.: WC0754641
Lab Number: 02590009
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Alert	---	---	?	We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.
Information Required	---	---	?	Please specify the component make and model with your next sample.
Check Dirt Access	---	---	?	We advise that you check all areas where contaminants can enter the system.
Check For Visual Metal	---	---	?	We advise that you check for visible metal particles in the oil.

HISTORICAL DIAGNOSIS

ISO



28 Dec 2020 Diag: Wes Davis

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

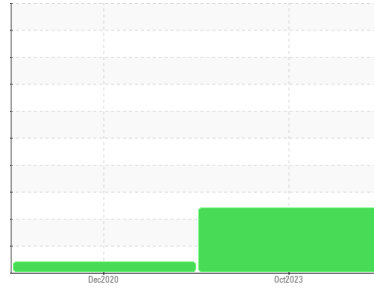




OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL



Area
PLANT 1
 Machine Id
BAY 5 CTL

Component
2 Hydraulic System
 Fluid

COMMERCIAL OIL LUBRIKO AW 46 (1000 LTR)

DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. **DISCLAIMER:** Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

Wear

Light concentration of visible metal present.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil. Light concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

Particle Filter (Magn: 100 x)



SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0754641	WC	---
Sample Date	Client Info	01 Oct 2023	28 Dec 2020	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Not Chngd	N/A	---
Sample Status		ABNORMAL	ATTENTION	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	2	1
Chromium	ppm	ASTM D5185(m) >10	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0
Silver	ppm	ASTM D5185(m)	<1	<1
Aluminum	ppm	ASTM D5185(m) >10	0	<1
Lead	ppm	ASTM D5185(m) >10	4	3
Copper	ppm	ASTM D5185(m) >75	38	22
Tin	ppm	ASTM D5185(m) >10	<1	<1
Antimony	ppm	ASTM D5185(m)	0	0
Vanadium	ppm	ASTM D5185(m)	0	0
Beryllium	ppm	ASTM D5185(m)	0	0
Cadmium	ppm	ASTM D5185(m)	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1
Barium	ppm	ASTM D5185(m)	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	<1
Manganese	ppm	ASTM D5185(m)	0	<1
Magnesium	ppm	ASTM D5185(m)	4	6
Calcium	ppm	ASTM D5185(m)	42	38
Phosphorus	ppm	ASTM D5185(m)	308	326
Zinc	ppm	ASTM D5185(m)	381	435
Sulfur	ppm	ASTM D5185(m)	1628	2201
Lithium	ppm	ASTM D5185(m)	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	1	2
Sodium	ppm	ASTM D5185(m)	<1	3
Potassium	ppm	ASTM D5185(m) >20	<1	<1

FLUID CLEANLINESS

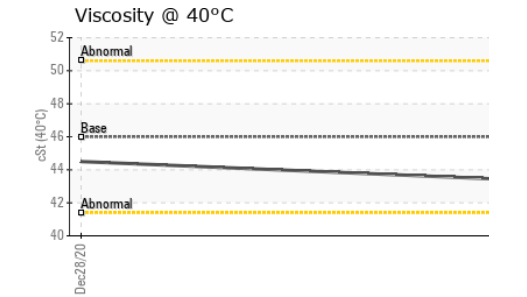
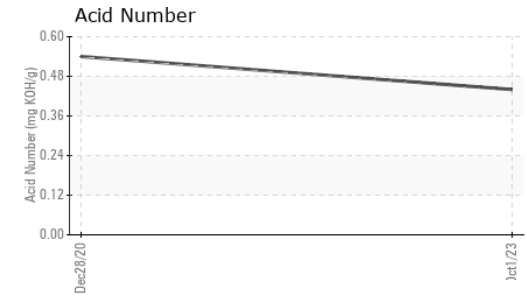
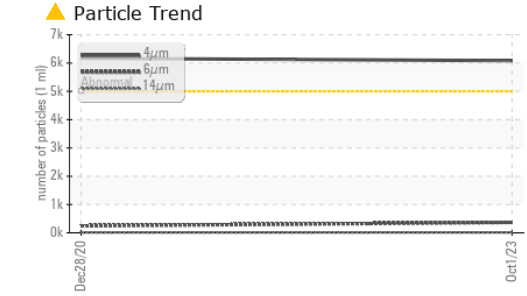
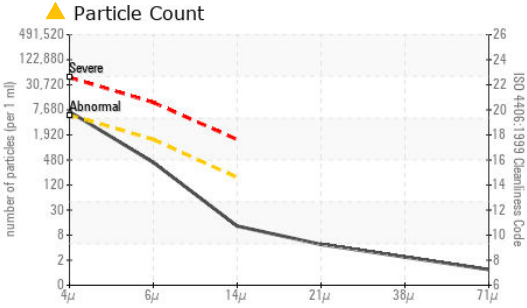
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 6083	▲ 6166
Particles >6µm	ASTM D7647	>1300	369	245
Particles >14µm	ASTM D7647	>160	11	10
Particles >21µm	ASTM D7647	>40	4	5
Particles >38µm	ASTM D7647	>10	2	0
Particles >71µm	ASTM D7647	>3	1	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/16/11	▲ 20/15/10

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.44	0.54



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0754641 **Received** : 18 Oct 2023
Lab Number : 02590009 **Diagnosed** : 20 Oct 2023
Unique Number : 5659075 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, PrtFilter)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	▲ VLITE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	NONE	---
Debris	scalar	Visual*	NONE	▲ LIGHT	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	46	43.4	44.5	---

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

GRAPHS

