

PROBLEM SUMMARY

Sample Rating Trend



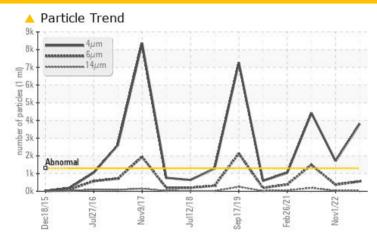


West Molding 120 (S/N 3279615)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (925 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL				
Particles >4µm	ASTM D7647	>1300	A 3810	<u>▲</u> 1710	<u>4421</u>				
Particles >6µm	ASTM D7647	>160	△ 558	▲ 371	<u> </u>				
Particles >14µm	ASTM D7647	>20	40	<u>^</u> 25	<u></u> 191				
Particles >21µm	ASTM D7647	>4	<u> </u>	4	<u>▲</u> 52				
Oil Cleanliness	ISO 4406 (c)	>17/14/11	19/16/12	▲ 18/16/12	△ 19/18/15				

Customer Id: JOHHOL Sample No.: RP0039372 Lab Number: 05997957 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED ACTIONS Action **Status** Date Done By Description We advise that you perform a filter service, and use off-line filtration to ? Change Filter improve the cleanliness of the system fluid. Resample ? We recommend an early resample to monitor this condition. Information Required ? Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS

01 Nov 2022 Diag: Doug Bogart

A

Filter Fluid

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

?



We advise that you perform a filter service, and use off-line filtration to

improve the cleanliness of the system fluid.

14 Apr 2022 Diag: Don Baldridge

ISO



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



26 Feb 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



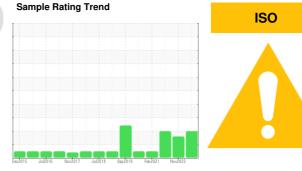


OIL ANALYSIS REPORT

West Molding 120 (S/N 3279615)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (925 GAL)



DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0039372	RP0030208	RP0021590
Sample Date		Client Info		19 Oct 2023	01 Nov 2022	14 Apr 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	2	2
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	4	3	4
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	pp			-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	<1	2
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	25	5	4	6
Calcium	ppm	ASTM D5185m	200	58	57	67
Phosphorus	ppm	ASTM D5185m	300	327	334	368
Zinc	ppm	ASTM D5185m	370	387	381	400
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	1	2
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.05	0.012	0.010	0.006
ppm Water	ppm	ASTM D6304	>500	120.9	107.1	64.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	3810	<u></u> 1710	<u>4421</u>
Particles >6µm		ASTM D7647	>160	<u></u> 558	△ 371	<u></u> 1490
Particles >14μm		ASTM D7647	>20	40	<u>^</u> 25	<u> </u>
Particles >21µm		ASTM D7647	>4	<u> </u>	4	▲ 52
Particles >38μm		ASTM D7647	>3	1	0	<u>^</u> 6
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14/11	19/16/12	<u>▲</u> 18/16/12	△ 19/18/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.45	0.50	0.41



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

Test Package

: RP0039372 : 05997957

: 10726317

: 03 Nov 2023 Received : 06 Nov 2023 Diagnosed : Wes Davis Diagnostician

1600 S. WASHINGTON AVE. HOLLAND, MI

US 49423 Contact: JEFF HARRIS

jeffrey.harris@yanfeng.com T: (616)915-4443

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: IND 2

* - 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)

F: (616)394-1725