

#### COMPONENT CONDITION SUMMARY Particle Trend 6k 4μm 6µm 5k 14µm number of particles (1 ml) 3k 3k 1k 0k (2222 Dec4/22 -0ct25/18 Jul17/23 0ct15/19 0ct23/20 May18/22 Jun3/20 May19/21 Nov2/21 Nov14/1

## RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	NORMAL	NORMAL		
Particles >6µm	ASTM D7647	>1300	<u> </u>	174	52		
Particles >14µm	ASTM D7647	>160	<u> </u>	4	11		
Particles >21µm	ASTM D7647	>40	<u> </u>	2	2		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>  19/18/15</b>	17/15/9	15/13/11		

Customer Id: LANNEW Sample No.: WC0830443 Lab Number: 05903237 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> ISO

## **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

## **HISTORICAL DIAGNOSIS**

## 04 Dec 2022 Diag: Jonathan Hester



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

## 18 May 2022 Diag: Doug Bogart



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



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### 02 Nov 2021 Diag: Angela Borella



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





## **OIL ANALYSIS REPORT**

## PARTS Machine Id LVD PRT-PBR-04 (S/N 27028)

Hydraulic System

CASTROL HYSPIN AWH-M ISO 46 (55 GAL)

## DIAGNOSIS

## A Recommendation

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

## Wear

All component wear rates are normal.

## Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

## Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

28)						
		Nov2017 Oct2	018 Oct2019 Jun2020 Oct20	D20 May2021 Nov2021 May2022 Deca	022 Jui2023	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0830443	WC0753862	WC0696321
Sample Date		Client Info		17 Jul 2023	04 Dec 2022	18 May 2022
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>20	<1	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
lickel	ppm	ASTM D5185m	>20	0	0	0
ītanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	0
ead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	0	0
/lolybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
/lagnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		44	43	43
Phosphorus	ppm	ASTM D5185m		383	387	396
Zinc	ppm	ASTM D5185m		500	488	485
Sulfur	ppm	ASTM D5185m		2924	2950	2179
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	2
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3784	807	193
Particles >6µm		ASTM D7647	>1300	<u> </u>	174	52
Particles >14µm		ASTM D7647	>160	<b>A</b> 243	4	11
Particles >21µm		ASTM D7647	>40	<u> </u>	2	2
Particles >38µm		ASTM D7647	>10	5	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Dil Cleanliness		ISO 4406 (c)	>19/17/14	<b>1</b> 9/18/15	17/15/9	15/13/11
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
Acid Number (AN)	ma K∩⊔/a			0.47	0.51	0.46
	mg r\∪⊓/g	AGTIVI DOU40		0.47	0.01	0.40

Sample Rating Trend

ISO



# **OIL ANALYSIS REPORT**







Jun3/20

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Vov14/17 Oct25/18 ht15/19

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	41.8	42.0	42.2
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						



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Contact/Location: TODD PITMAN - LANNEW