WEAR CONTAMINATION FLUID CONDITION

ABNORMAL MARGINAL NORMAL

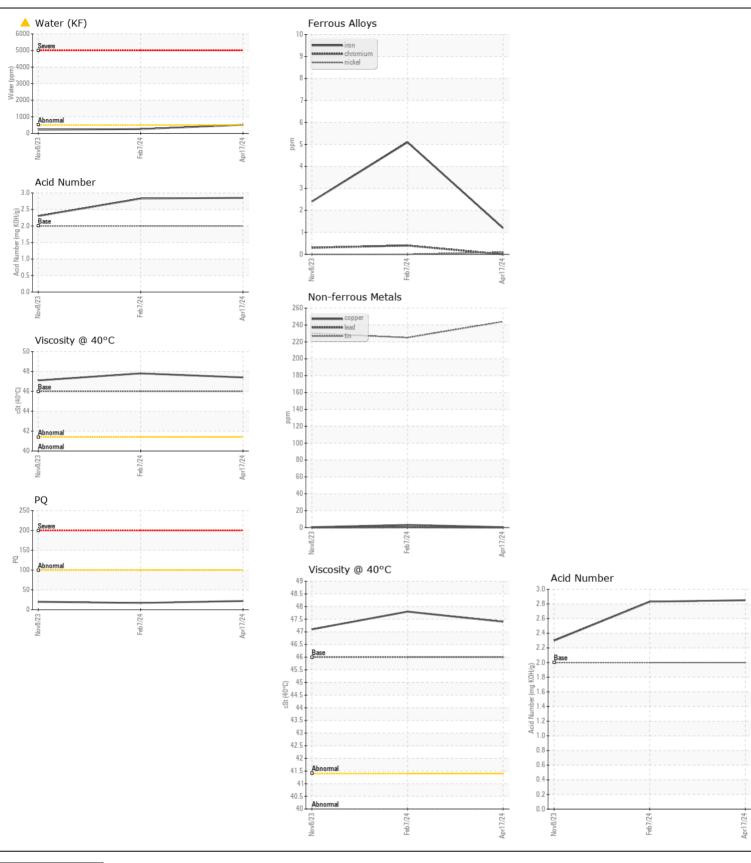
Machine Id

## 821HP01-C

Component

Reservoir Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The filter change at the time of sampling has been noted. We advise	Sample Number		Client Info		WC0806876	WC0773253	
that you inspect for the source(s) of metal. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample.	Sample Date		Client Info		17 Apr 2024		08 Nov 2023
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age Oil Changed	hrs	Client Info		Not Changd	0 Not Changd	Not Change
	Filter Changed		Client Info		Changed	Not Changd	Not Change
	Sample Status		Ollerit IIIIO		ABNORMAL	ABNORMAL	0
WEAR	PQ		ASTM D8184		22	17	20
	Iron	ppm	ASTM D5185m	>20	1	5	2
Moderate concentration of visible metal present. All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	<1	<1
	Nickel	ppm	ASTM D5185m	>20	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		<1	1	2
	Lead	ppm	ASTM D5185m	>20	0	<1	0
	Copper	ppm	ASTM D5185m	>20	<1	3	<1
	Tin	ppm	ASTM D5185m	>20	244	225	230
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	6	6	4
	Potassium	ppm	ASTM D5185m	>20	2	<1	1
There is a trace of moisture present in the oil.	Water	%	ASTM D6304	>0.05	<u> </u>	0.025	0.021
	ppm Water	ppm	ASTM D6304		<u>▲</u> 513	257	216
	Particles >4μm		ASTM D7647			<u>A</u> 24955	△ 35061
	Particles >6µm		ASTM D7647			<u>A</u> 8830	<u>10890</u>
	Particles >14µm		ASTM D7647	>20		<u>▲</u> 367	<u>442</u>
	Particles >21µm		ASTM D7647			<u>^</u> 62	<u>A</u> 81
	Particles >38µm		ASTM D7647			2	2
	Particles >71µm		ASTM D7647			0	0
	Oil Cleanliness Silt	analar	ISO 4406 (c) *Visual	>16/14/11 NONE	 NONE	22/20/16 NONE	△ 22/21/16 NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.05	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m		2	2	0
T LOID CONDITION	Boron	ppm	ASTM D5185m		0	<1	0
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0	0	5
acceptable for the time in service.	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		0	<1	0
	Calcium	ppm	ASTM D5185m		0	51	0
	Phosphorus	ppm	ASTM D5185m		173	213	185
						34	
	Zinc	ppm	ASTM D5185m		30	34	13
	Zinc Sulfur	ppm	ASTM D5185m		862	680	762
				2.0			







Certificate L2367

Laboratory Sample No. Unique Number : 11096430

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06218233

: WC0806876

Received **Tested** Diagnosed

: 24 Jun 2024 : 26 Jun 2024

: 26 Jun 2024 - Don Baldridge

**ARAUCO FLAKEBOARD - MDF** 985 CORINTH RD MONCURE, NC

US Contact: CHRISTOPHER JACKSON

Test Package : IND 2 ( Additional Tests: KF, PQ ) 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.

christopher.jackson@arauco.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: FLAMONNC [WUSCAR] 06218233 (Generated: 06/26/2024 11:50:37) Rev: 1

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