**WEAR CONTAMINATION FLUID CONDITION** 

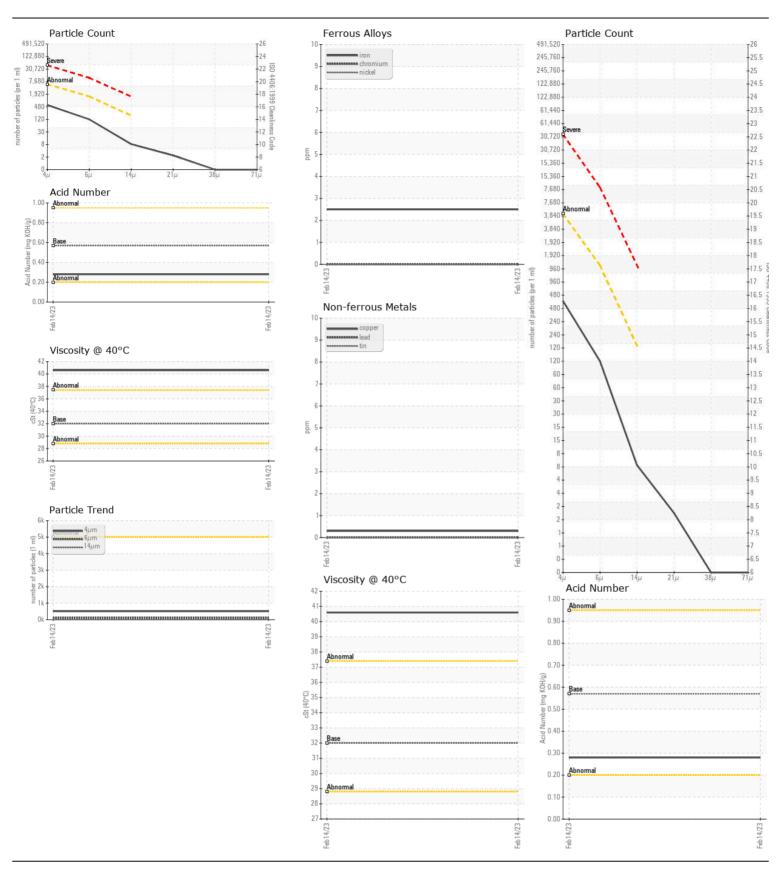
**NORMAL NORMAL NORMAL** 

Machine Id **22320** 

Component Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0636326		
	Sample Date		Client Info		14 Feb 2023		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	<b>√20</b>	2		
VLAII	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>10	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
The amount and size of particulates present in the system are acceptable.	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		513		
	Particles >6µm		ASTM D7647		106		
	Particles >14µm		ASTM D7647		7		
	Particles >21µm		ASTM D7647		2		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness	!	ISO 4406 (c)		16/14/10		
	Silt	scalar	*Visual	NONE	NONE		
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE		
		scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML NORML		
	Emulsified Water		*Visual	>0.1	NEG		
<u></u>	Emulsined Water		Vioual	20.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m	5	0		
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m	5	0		
	Molybdenum	ppm	ASTM D5185m	5	0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	25	1		
	Calcium	ppm	ASTM D5185m	200	45		
	Phosphorus	ppm	ASTM D5185m	300	333		
	Zinc	ppm	ASTM D5185m	370	424		
	Sulfur	ppm	ASTM D5185m		3902		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.28		
	Visc @ 40°C	cSt	ASTM D445	32	40.6		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WC0636326 : 05796647 : 10386331 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 20 Mar 2023 Diagnosed : 22 Mar 2023 : Angela Borella Diagnostician

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.

**HIAB USA - Carnegie** 200 1ST AVE CARNEGIE, PA US 15106 Contact: GARY SPANGLE gary.spangle@hiab.com T: (419)482-6000

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