**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL ATTENTION NORMAL** 

## **HIAB BL158HD00108**

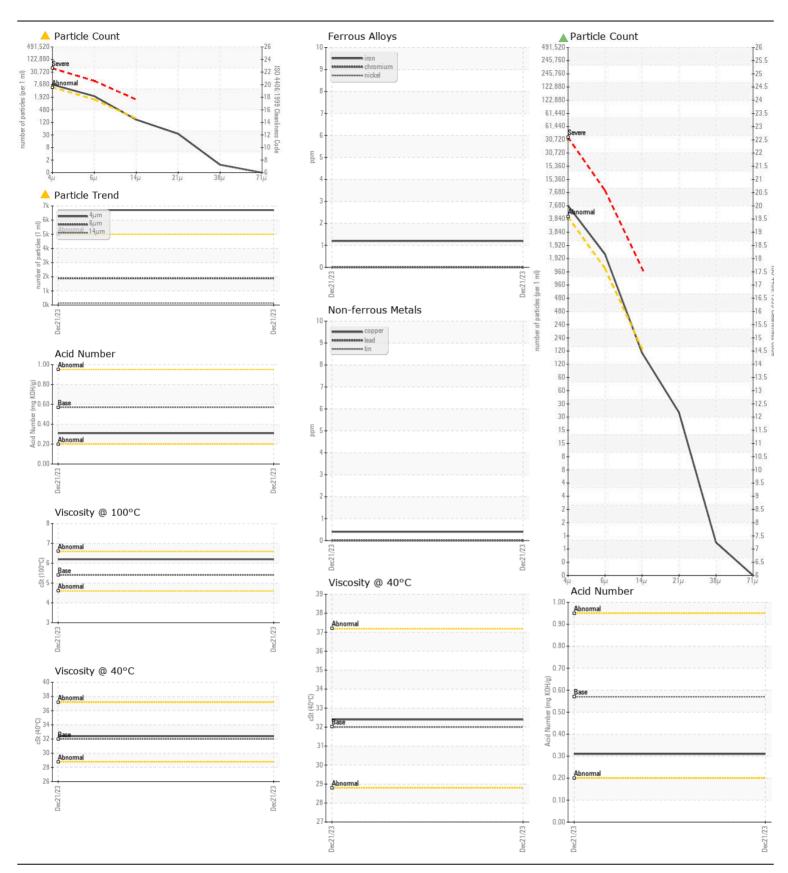
Component

Hydraulic System

Fluid

RECOMMENDATION  The filter change at the time of sampling has been noted. 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 32. Please confirm.	Toot	LIONA	Mothad	Limit/Aba	Current	Lliotomid	Llieten:0
	Test Sample Number	UOM	Method Client Info	Limit/Abn	WC0716928	History1	History2
	Sample Number		Client Info		21 Dec 2023		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info				
					0		
	Filter Age Oil Changed	hrs	Client Info		N/A		
	Filter Changed		Client Info				
	Sample Status		Client inio		Changed ATTENTION		
					ATTENTION		
WEAR	Iron	ppm	ASTM D5185m	>20	1		
	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	1		
	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		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1		
There is a light amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m	>20	<1		
	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647	>5000	<b>6708</b>		
	Particles >6µm		ASTM D7647	>1300	<b>1888</b>		
	Particles >14μm		ASTM D7647	>160	143		
	Particles >21µm		ASTM D7647	>40	30		
	Particles >38µm		ASTM D7647	>10	1		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/14</b>		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
LUID CONDITION	Codium	000	ACTM DE10Em		•		
LUID CONDITION	Sodium	ppm	ASTM D5185m	E	0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	•	ppm		3			
	Manganese	ppm	ASTM D5185m	25	0		
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m				
	Phosphorus	ppm			141 360		
	Zinc	ppm	ASTM D5185m ASTM D5185m		424		
	Sulfur	ppm					
	Acid Number (AN)	ppm	ASTM D5185m ASTM D8045		1404 0.31		
	. ,	mg KOH/g					
	\/icc @ 40°C	C S +					
	Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		32.4 6.2		

Contact/Location: SWANN MCCLURE - CARCOR





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

: WC0716928 : 06062655 : 10834037

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 17 Jan 2024 : 18 Jan 2024 Diagnostician : Wes Davis

Test Package : MOB 2 ( Additional Tests: KV100, VI ) Certificate L2367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**HIAB USA - MIDATLANTIC** 18627 STARCREEK DR CORNELIUS, NC

US 28031 Contact: SWANN MCCLURE swann.mcclure@cargotec.com

T: (704)896-9089 F: (704)895-4801