WEAR
CONTAMINATION
FLUID CONDITION

NORMAL
ABNORMAL
ATTENTION

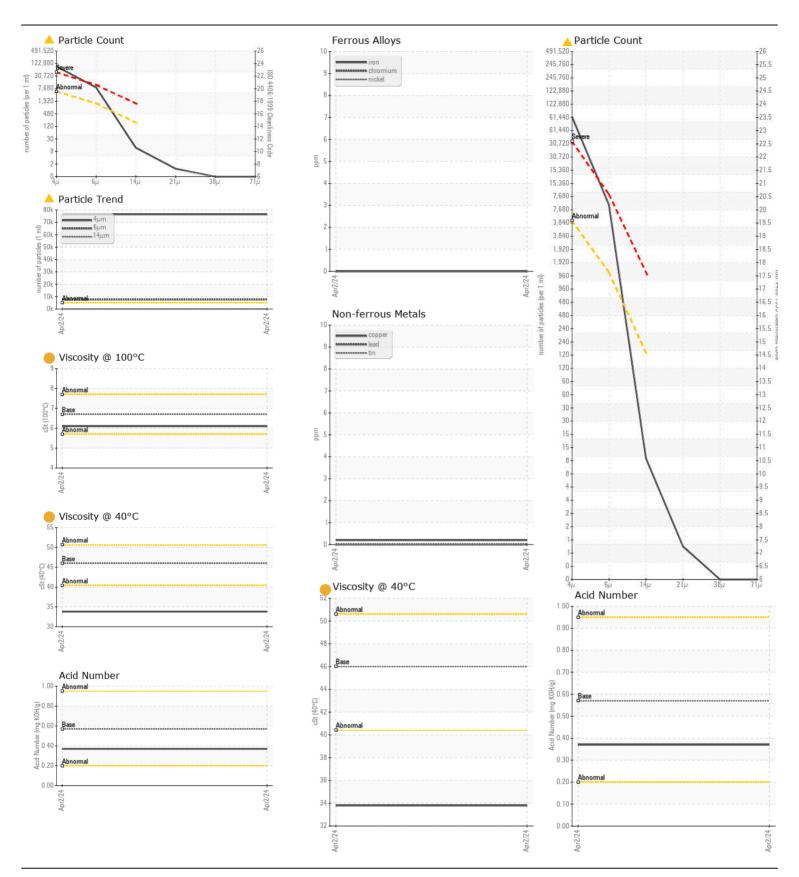
Machine Id

HIAB BL082HD00293 - GREENS PROPANE

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0842301		
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		02 Apr 2024		
	Machine Age	yrs	Client Info		3		
	Oil Age	yrs	Client Info		3		
	Filter Age	yrs	Client Info		1		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	0		
	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	0		
	Lead	ppm	ASTM D5185m	>10	0		
	Copper	ppm	ASTM D5185m	>75	<1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
NONT A MINIATION	Ciliaan	nnm	ACTM DE10E	- 20	.4		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Potassium	ppm	ASTM D5185m		<1 NEO		
	Water		WC Method		NEG A 76404		
	Particles >4µm		ASTM D7647		▲ 76424 ▲ 7507		
	Particles >6µm Particles >14µm		ASTM D7647 ASTM D7647		▲ 7597 10		
	Particles >14µm		ASTM D7647 ASTM D7647		10		
	Particles >21µm		ASTM D7647		0		
	Particles >36µm		ASTM D7647 ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		<u> </u>		
	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		*Visual	>0.1	NEG		
	- "						
FLUID CONDITION	Sodium	ppm	ASTM D5185m	_	0		
/iscosity of sample indicates oil is within ISO 32 range, advise	Boron	ppm	ASTM D5185m		0		
investigate. Confirm oil type. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	5	0		
	Manganese	ppm	ASTM D5185m	0.5	<1		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		75 200		
	Phosphorus	ppm	ASTM D5185m		322 405		
	Zinc	ppm	ASTM D5185m	370	405		
	Sulfur	ppm	ASTM D5185m		977		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.37		
	Visc @ 40°C	cSt cSt	ASTM D445 ASTM D445		33.8 6.1		
	Visc @ 100°C						





Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06192197

: WC0842301 Unique Number : 11048949

Received **Tested** Diagnosed

: 28 May 2024 : 29 May 2024

: 31 May 2024 - Jonathan Hester Test Package : MOB 2 (Additional Tests: KV100, VI)

DOUGLASVILLE, GA US 30135 Contact: JEREMY SMITH

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HIAB USA - SOUTH

8960 HWY 5 BLDG A

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)

F: (770)949-7552 Contact/Location: JEREMY SMITH - CARDOU