

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL
ATTENTION
ATTENTION

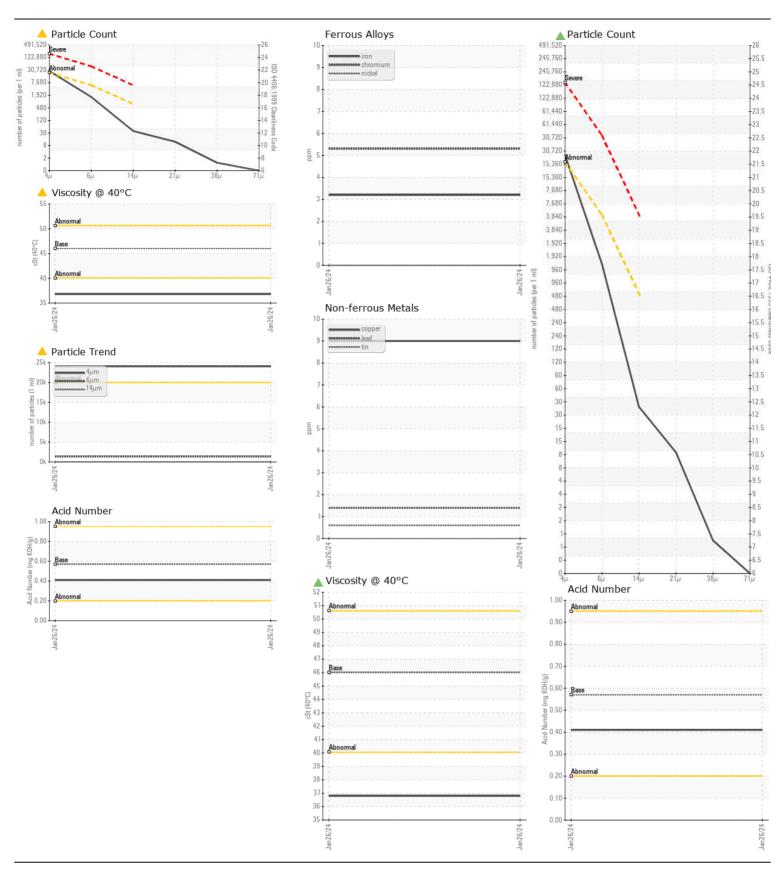
Machine Id

LIEBHERR LTM1250-6.1 AT6021 (S/N 046021)

Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- LTR)

Test	UOM	Method	Limit/Abn	A	Line is a second	
			LIIIII/AUII	Current	History1	History2
Sample Number		Client Info		HPL0004134		
•						
•	hrs					
-						
		Client Info				
Sample Status				ATTENTION		
Iron	nnm	ASTM D5185m	>20	3		
	• •					
			710			
			\10			
				-		
			/10			
			NONE	-		
				_		
				····		
Silicon	ppm	ASTM D5185m	>20	3		
Potassium	ppm	ASTM D5185m	>20	2		
Water		WC Method	>0.1	NEG		
Particles >4µm		ASTM D7647	>20000	24042		
Particles >6µm		ASTM D7647	>5000	1382		
Particles >14µm		ASTM D7647	>640	33		
Particles >21µm		ASTM D7647	>160	10		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	22/18/12		
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		
Sodium	ppm	ASTM D5185m	-	0		
Boron	ppm					
	ppm					
,	ppm		5			
_	ppm	ASTM D5185m		0		
	ppm					
	ppm					
Phosphorus	ppm			347		
Zinc	ppm			465		
	ppm			2583		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.41 36.8		
Visc @ 40°C	cSt	ASTM D445				
	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Particles >6µm Particles >6µm Particles >71µm Oil Cleanliness Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness Silt scalar Soli Scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Manganese ppm Manganese ppm Magnesium ppm Calcium ppm Sulfur ppm	Sample Date Machine Age Oil Age hrs Client Info Client Info Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium ppm ASTM D5185m Chromium ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal Yellow Metal Scalar Yellow Metal Scalar Silicon Particles >4µm Particles >6µm Particles >14µm Particles >14µm Particles >71µm Oil Cleanliness Silt Sand/Dirt Scalar Scal	Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Client Info Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Nickel ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m	Sample Date Client Info 26 Jan 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status ATTENTION Iron ppm ASTM D5185m >20 Sample Status ATTENTION Iron ppm ASTM D5185m >10 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 2 Lead ppm ASTM D5185m >10 1 Copper ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5	Sample Date Machine Age hrs Client Info 8980





Certificate L2367

Laboratory Sample No. Lab Number

: HPL0004134 : 06074650 : 10856741 **Unique Number** Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Jan 2024 Recieved Diagnosed : 02 Feb 2024 : Jonathan Hester Diagnostician

STEVENSON CRANE 410 STEVENSON DR BOLINGBROOK, IL US 60440 Contact: DAVE KOEHNE davidk@stevensoncrane.com T: (630)972-9199

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.