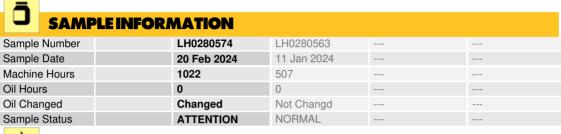
## LIEBHERR

**CONSTRUCTION EQUIPMENT** 

### **LIEBHERR LH110 1227-155752 - Splitter Box**

Sample No: LH0280574
Oil Type: SAE 30W



0	OIL CO	NDITION			
Visc @ 40	)°C	cSt	<b>173</b>	O 181	 
_					

CONT	AMINATIO	ON		
Water	%	NEG	NEG	 
Silicon	ppm	<b>8</b>	O 2	 
Sodium	ppm	<b>4</b>	<b>5</b>	 
Potassium	ppm	<b>0</b> <1	O 2	 

Iron         ppm         ○ 26         ○ 10             Copper         ppm         ○ 6         ○ 0             Lead         ppm         ○ 2         ○ 0             Tin         ppm         ○ <1              Aluminum         ppm         ○ 2         ○ <1             Chromium         ppm         ○ 0         ○ 0             Molybdenum         ppm         ○ 0         ○ <1             Nickel         ppm         ○ 0         ○ <1             Titanium         ppm         ○ 0         ○ <1             Silver         ppm         ○ 0         ○ <1             Manganese         ppm         ○ 0	₩E/	AR META	LS		
Lead         ppm         2         0             Tin         ppm         <1             Aluminum         ppm         2         <1             Chromium         ppm         0         0             Molybdenum         ppm         0         0             Nickel         ppm         0         <1             Titanium         ppm         0         0             Silver         ppm         0         0	Iron	ppm	<b>26</b>	<b>1</b> 0	 
Tin         ppm         Image: square	Copper	ppm	<b>6</b>	O 0	 
Aluminum       ppm       2       <1	Lead	ppm	<b>2</b>	<b>0</b> 0	 
Chromium         ppm         0         0             Molybdenum         ppm         0         0             Nickel         ppm         0         <1	Tin	ppm	<b>0</b> <1	O <1	 
Molybdenum         ppm         0         0             Nickel         ppm         0         <1             Titanium         ppm         0         0             Silver         ppm         0         0	Aluminum	ppm	<b>2</b>	O <1	 
Nickel         ppm         ○ 0         <1             Titanium         ppm         ○ 0         0             Silver         ppm         0         0	Chromium	ppm	<b>0</b>	O 0	 
Titanium         ppm         0         0             Silver         ppm         0         0	Molybdenum	ppm	<b>0</b>	0	 
Silver ppm <b>0</b> 0	Nickel	ppm	<b>0</b>	O <1	 
P.P.	Titanium	ppm	<b>0</b>	0	 
Manganese npm O<1	Silver	ppm	0	0	 
manganood ppm	Manganese	ppm	<b>()</b> <1	<1	 
<b>Vanadium</b> ppm <b>0</b>	Vanadium	ppm	0	0	 

ADDITIVES						
Calcium	ppm	<b>0</b> 80	47			
Magnesium	ppm	<mark>○</mark> <1	3			
Zinc	ppm	<b>40</b>	22			
Phosphorus	ppm	<b>2049</b>	1902			
Barium	ppm	<b>0</b>	<1			
Boron	ppm	<b>4</b>	<1			



KINDER MORGAN 4301 IVERSON TRINITY, AL US 35601

Contact: CHIP OAKES

T: (256)350-0006 F: (256)355-5250

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: KINTRI
Unique No: 10898702
Signed: Don Baldridge
Report Date: 28 Feb 2024

# LIEBHERR

CONSTRUCTION EQUIPMENT





#### **GRAPHS**

