

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH110 155976-1227 - Swing Drive

Sample No: LH0280564  
 Oil Type: SPECTRA 30W



**KINDER MORGAN**  
 4301 IVERSON  
 TRINITY, AL  
 US 35601  
 Contact: CHIP OAKES

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



#### SAMPLE INFORMATION

Sample Number	LH0280564	---	---	---
Sample Date	30 Jan 2024	---	---	---
Machine Hours	534	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 182	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---



#### WEAR METALS

Iron	ppm	● 228	---	---	---
Copper	ppm	● 76	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 4	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	50	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	6	---	---	---
Phosphorus	ppm	1912	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	7	---	---	---

#### Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: KINTRI  
 Unique No: 10863768  
 Signed: Jonathan Hester  
 Report Date: 08 Feb 2024



### GRAPHS

