

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 1227-155752 - Swing Drive

Sample No: LH0280564

Oil Type: GL-5 80W90



SAMPLE INFORMATION

Sample Number	LH0280564	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	507	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	● 180	---	---	---
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T: (256)350-0006
 F: (256)355-5250



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 2	---	---	---

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.



WEAR METALS

Iron	ppm	● 203	---	---	---
Copper	ppm	● 67	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 5	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	46	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	16	---	---	---
Phosphorus	ppm	1879	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	5	---	---	---

Depot: KINTRI
Unique No: 10848685
Signed: Sean Felton
Report Date: 30 Jan 2024



GRAPHS

