

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH110 155976-1227 - Swing Drive

Sample No: LH0280575

Oil Type: SAE 30W



SAMPLE INFORMATION

Sample Number	LH0280575	LH0280564	---	---
Sample Date	23 Feb 2024	30 Jan 2024	---	---
Machine Hours	995	534	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	● 182	● 182	---	---
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T: (256)350-0006
 F: (256)355-5250



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 7	● 5	---	---
Sodium	ppm	● 3	● 0	---	---
Potassium	ppm	● 2	● 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	● 242	● 228	---	---
Copper	ppm	● 108	● 76	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● 8	● 4	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	● 0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 54	50	---	---
Magnesium	ppm	● 2	<1	---	---
Zinc	ppm	● 33	6	---	---
Phosphorus	ppm	● 2364	1912	---	---
Barium	ppm	● 2	8	---	---
Boron	ppm	● 5	7	---	---

Depot: KINTRI
Unique No: 10902897
Signed: Sean Felton
Report Date: 04 Mar 2024



GRAPHS

