

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 1218-157090 - Swing Drive

Sample No: LH0282886

Oil Type: SAE 30W



KINDER MORGAN

4301 IVERSON

TRINITY, AL

US 35601

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Sample Information

Sample Number	LH0282886	LH0282897	---	---
Sample Date	19 Apr 2024	19 Mar 2024	---	---
Machine Hours	997	545	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	ATTENTION	---	---



Oil Condition

Visc @ 40°C	cSt	174	185	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	2	1	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	3	2	---	---



Wear Metals

Iron	ppm	173	135	---	---
Copper	ppm	77	38	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	3	3	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	<1	---	---



Additives

Calcium	ppm	192	34	---	---
Magnesium	ppm	7	0	---	---
Zinc	ppm	85	13	---	---
Phosphorus	ppm	2234	2102	---	---
Barium	ppm	0	0	---	---
Boron	ppm	8	4	---	---

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 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: 11018145

Signed: Don Baldrige

Report Date: 09 May 2024



Graphs

