LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH110 155976-1227 - Swing Drive

Sample No: LH0267553
Oil Type: SAE 30W

Copper

Aluminum

Chromium

Nickel

Silver

Titanium

Manganese

Molybdenum

Lead

Tin

ppm

81

0<1

2

2

1

6

<1</p>

<1</p>

<1

<1

5 Samp	le Infor	mation						
Sample Number		LH0267553	LH0267530	LH0280575	LH0280564			
Sample Date		12 May 2024	18 Apr 2024	23 Feb 2024	30 Jan 2024			
Machine Hours		1951	1623	995	534			
Oil Hours		956	628	0	0			
Oil Changed		Changed	Not Changd	Changed	Not Changd			
Sample Status		ATTENTION	ATTENTION	NORMAL	NORMAL			
Oil Co	ndition cSt	○ 108	O 112					
Contamination								
Water	%	NEG	NEG	NEG	NEG			
Silicon	ppm	5	O 2	7	O 5			
Sodium	ppm	4	0	3	0			
Potassium	ppm	2	O <1	2	0 2			
	Metals							
Iron	ppm	106	O 70	O 242	228			





KINDER MORGAN

4301 IVERSON TRINITY, AL US 35601

Contact: RICKY JOHNSON ricky_johnson@kindermorgan.com

Т:

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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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Vanadium	ppm	<1	0	0	0				
Addi									
Additives									
Calcium	ppm	422	197	O 54	50				
Magnesium	ppm	29	6	O 2	<1				
Zinc	ppm	243	<u>119</u>	○ 33	6				
Phosphorus	ppm	621	457	2364	1912				
Barium	ppm	0	O 0	O 2	8				
Boron	ppm	18	O 0	5	7				

0

 \bigcirc <1

0 <1

 \bigcirc <1

08

02

0

Depot:KINTRIUnique No:11049356Signed:Don BaldridgeReport Date:30 May 2024

LIEBHERR







Graphs

