LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH110 1227-155752 - Swing Drive

Sample No: LH0280586 Oil Type: SAE 30W

Sample Information							
Sample Number	LH0280586	LH0280586	LH0280575	LH0280564			
Sample Date	18 Apr 2024	19 Mar 2024	20 Feb 2024	11 Jan 2024			
Machine Hours	1980	1544	1022	507			
Oil Hours	0	0	0	0			
Oil Changed	Changed	Not Changd	Changed	Not Changd			
Sample Status	ATTENTION	ATTENTION	ATTENTION	NORMAL			

Oil Co	ondition					
Visc @ 40°C	cSt	175	176	179	180	
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Co	ontaminati	on				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	5	6	7	5	
Sodium	ppm	2	3	3	4	
Potassium	ppm	() <1	O 2	O <1	O 2	

Wed	ır Metals					
Iron	ppm	182	O 265	297	O 203	
Copper	ppm	116	O 118	O 119	6 7	
Lead	ppm	1	O <1	O 1	O <1	
Tin	ppm	10	O 11	0 8	O 5	
Aluminum	ppm	1	O 2	O 1	O 1	
Chromium	ppm	() <1	O 1	O <1	O <1	
Molybdenum	ppm	0	O 1	O 0	0	
Nickel	ppm	0	O <1	O 0	O <1	
Titanium	ppm	<1	O 0	O 0	0	
Silver	ppm	0	0	0	0	
Manganese	ppm	2	O 2	O 2	2	
Vanadium	ppm	0	<1	<1	0	

vanadium	ppm	0	<1	<1	0
Addi	itives				
Calcium	ppm	9 6	9 8	O 119	46
Magnesium	ppm	<u> </u>	O 0	<1	2
Zinc	ppm	53	45	3 9	16
Phosphorus	ppm	2154	2 091	O 2188	1879
Barium	ppm	3	O 1	3	4
Boron	ppm	6	9	6	5



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

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

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. 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: 11031833
Signed: Don Baldridge
Report Date: 17 May 2024

CONSTRUCTION EQUIPMENT





Graphs

