## **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH80M 1218-157090 - Swing Drive

Sample No: LH0282875

**Oil Type:** SAE 30W

## **Sample Information**

Sample Number	LH0282875	LH0282886	LH0282897				
Sample Date	18 May 2024	19 Apr 2024	19 Mar 2024				
Machine Hours	1559	997	545				
Oil Hours	0	0	0				
Oil Changed	Not Changd	Changed	Not Changd				
Sample Status	ATTENTION	ATTENTION	ATTENTION				
Oil Condition							
Visc @ 40°C cSt	94.2	0 174	0 185				

**Contamination** % Water NEG NEG NEG Silicon  $\bigcirc 2$ ppm 02 1 Sodium 04 03 03 ppm

Potassium	ppm	0 2	03	2	
Ö					
Wea	r Metals				
Iron	ppm	<b>9</b> 3	0 173	0 135	
Copper	ppm	0 81	0 77	38	
Lead	ppm	0	◯ <1	0	
Tin	ppm	○ <1	03	3	
Aluminum	ppm	0 2	◯ <1	0	
Chromium	ppm	01	◯ <1	◯ <1	
Molybdenum	ppm	05	◯ <1	0 1	
Nickel	ppm	<b>○</b> <1	◯ <1	◯ <1	
Titanium	ppm	<b>○</b> <1	0	0	
Silver	ppm	<1	0	0	
Manganese	ppm	<b>○</b> <1	0 2	02	
Vanadium	ppm	<1	0	<1	

	litives				
Calcium	ppm	<b>—</b> 190	0 192	0 34	
Magnesium	ppm	<b>O</b> 34	07	0	
Zinc	ppm	<del> </del> 131	0 85	0 13	
Phosphorus	ppm	0 474	0 2234	0 2102	
Barium	ppm	0	0	0	
Boron	ppm	6	08	0 4	





KINDER MORGAN

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## 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. 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.

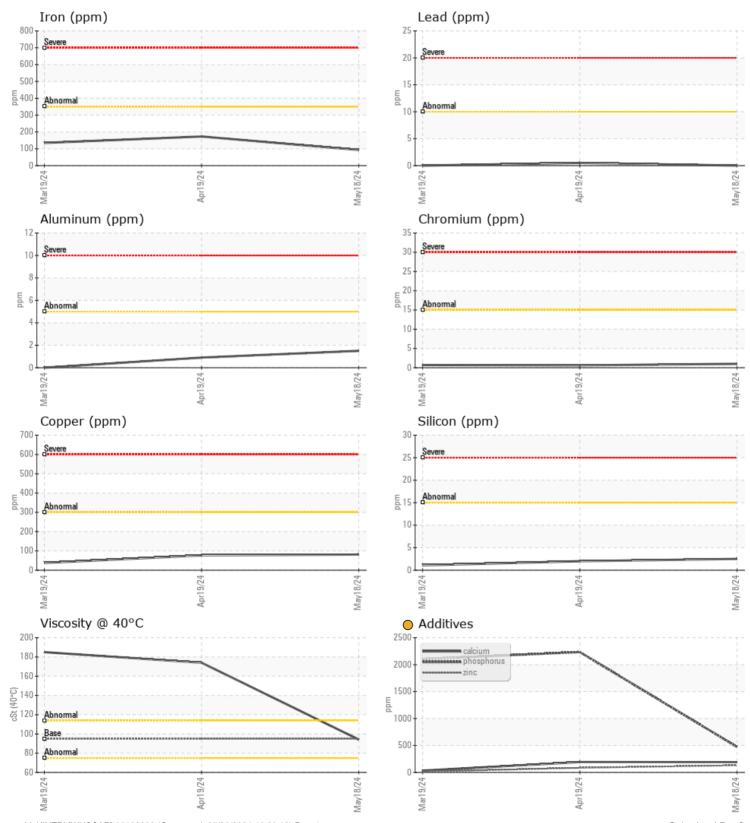
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Graphs

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Report Id: KINTRI [WUSCAR] 06192608 (Generated: 05/30/2024 16:29:12) Rev: 1