CONSTRUCTION EQUIPMENT

LIEBHERR LH110 155976-1227 - Hydraulic System

Sample No: LH0267537

Oil Type:

24

Sample Information

TDH

Sample Number		LH0267537	LH0280573				
Sample Date		18 Apr 2024	23 Feb 2024				
Machine Hours		1623	995				
Oil Hours		628	0				
Oil Changed		Not Changd	Not Changd				
Sample Status		NORMAL	ATTENTION				
Oil Condition							
Visc @ 40°C	cSt	41.8	◯ 43.2				
Acid Number (AN) r	mg KOH/g	0 1.15	0 1.47				

Contamination						
Water	%	NEG	NEG			
Particles >4µm		0 1873	0 31382			
Particles >6µm		0 182	0 7078			
Particles >14µm		05	536			
ISO 4406:1999 (c	:)	18/15/10	22/20/16			
Silicon	ppm	07	07			
Sodium	ppm	○ <1	◯ <1			
Potassium	ppm	0 2	0 2			

Wear Metals

Iron	ppm	0 10	0 12	
Copper	ppm	03	0 2	
Lead	ppm	○ <1	◯ <1	
Tin	ppm	<mark></mark> <1	○ <1	
Aluminum	ppm	0 2	0 1	
Chromium	ppm	01	01	
Molybdenum	ppm	2	2	
Nickel	ppm	<mark></mark> <1	○ <1	
Titanium	ppm	<1	<1	
Silver	ppm	<1	0	
Manganese	ppm	<1	<1	
Vanadium	ppm	<1	0	

Additi

Additives						
Calcium	ppm	1586	1503			
Magnesium	ppm	16	15			
Zinc	ppm	824	784			
Phosphorus	ppm	742	669			
Barium	ppm	0	0			
Boron	ppm	3	4			





KINDER MORGAN

4301 IVERSON TRINITY, AL US 35601 Contact: RICKY JOHNSON ricky_johnson@kindermorgan.com T: F: (256)355-5250

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 KINTRI

 Unique No:
 11031429

 Signed:
 Wes Davis

 Report Date:
 16 May 2024

 Contact/Location: RICKY JOHNSON - KINTRI

Report Id: KINTRI [WUSCAR] 06180103 (Generated: 05/16/2024 11:46:49) Rev: 1

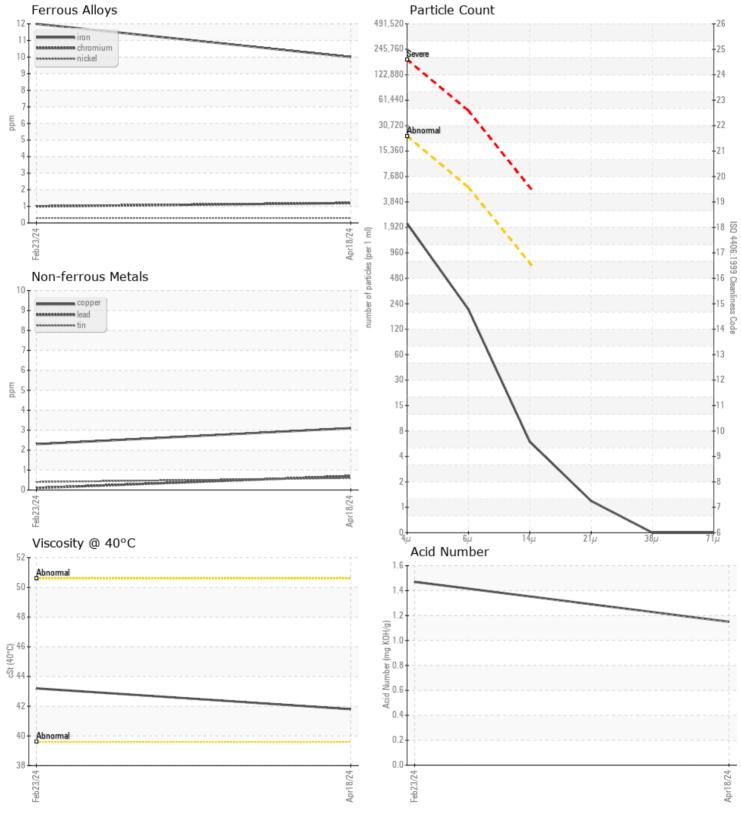
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LEBHERR CONSTRUCTION EQUIPMENT



Graphs

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Contact/Location: RICKY JOHNSON - KINTRI