CONSTRUCTION EQUIPMENT

LIEBHERR LH110 155976-1227 - Hydraulic System

Sample No: LH0267554

Oil Type:

Sample Information

TDH

Sample Number		LH0267554	LH0267537	LH0280573			
Sample Date		12 May 2024	18 Apr 2024	23 Feb 2024			
Machine Hours		1951	1623	995			
Oil Hours		1951	628	0			
Oil Changed		Not Changd	Not Changd	Not Changd			
Sample Status		NORMAL	NORMAL	ATTENTION			
Oil Condition							
Visc @ 40°C	cSt	0 41.7	0 41.8	◯ 43.2			
Acid Number (AN)	mg KOH/g	0 1.10	0 1.15	0 1.47			

Contamination					
Water	%	NEG	NEG	NEG	
Particles >4µm		0 3142	0 1873	0 31382	
Particles >6µm		285	182	0 7078	
Particles >14µm		5	5	536	
ISO 4406:1999 (c)		19/15/10	18/15/10	22/20/16	
Silicon	ppm	06	07	○ 7	
Sodium	ppm	○ <1	○ <1	○ <1	
Potassium	ppm	○ <1	2	2	

Wear Metals

Iron	ppm	6	0 10	0 12	
Copper	ppm	01	03	2	
Lead	ppm	0 🔘	◯ <1	◯ <1	
Tin	ppm	0 🔘	○ <1	◯ <1	
Aluminum	ppm	○ <1	0 2	0 1	
Chromium	ppm	<mark>()</mark> <1	0 1	01	
Molybdenum	ppm	3	2	2	
Nickel	ppm	0 🔘	◯ <1	◯ <1	
Titanium	ppm	0	<1	<1	
Silver	ppm	0	<1	0	
Manganese	ppm	<1	<1	<1	
Vanadium	ppm	0	<1	0	

Additive

- Addinves					
Calcium	ppm	1598	1586	1503	
Magnesium	ppm	21	16	15	
Zinc	ppm	758	824	784	
Phosphorus	ppm	648	742	669	
Barium	ppm	0	0	0	
Boron	ppm	4	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:KINTRIUnique No:11048881Signed:Wes DavisReport Date:29 May 2024

Report Id: KINTRI [WUSCAR] 06192129 (Generated: 05/29/2024 13:37:27) Rev: 1

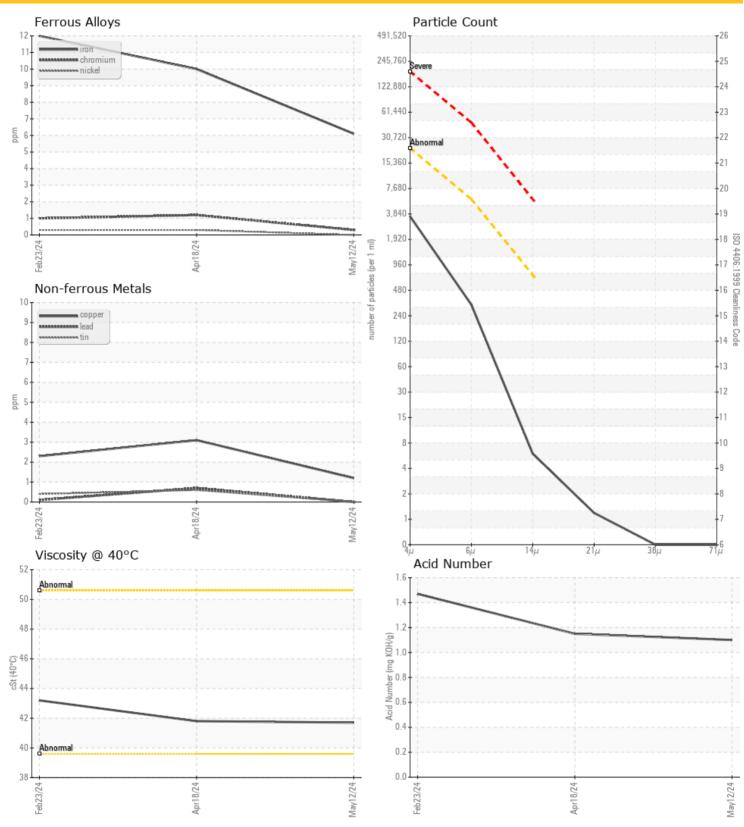
Contact/Location: RICKY JOHNSON - KINTRI

LEBHERR CONSTRUCTION EQUIPMENT



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Graphs



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