



LIEBHERR PR766 027905-1681 - Hydraulic System

Sample No: LH0264299

Oil Type: AW HYDRAULIC OIL ISO 68

Sample Information

Sample Number		LH0264299	LH0254556	LH0254179	LH0254250
Sample Date		22 May 2024	09 Apr 2024	02 Apr 2024	14 Mar 2024
Machine Hours		2389	1627	1463	1016
Oil Hours		2389	1627	1463	1016
Oil Changed		Changed	Not Changd	Not Changd	Not Changd
Sample Status		ATTENTION	ATTENTION	ABNORMAL	ABNORMAL
Oil Co	ndition				
Visc @ 40°C	cSt	0 48.9	49.1	● 49.2	0 47.6
Acid Number (AN)	mg KOH/g	0 1.09	0 1.19	0 1.15	0 1.30

Acid Number (AN) mg KOH/g 01.09

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Conte	aminat	ion			
Water	%	NEG	NEG	NEG	NEG
Particles >4µm		0 8635	2427	0 50344	
Particles >6µm		0 2759	376	0 13646	
Particles >14µm		O 119	◯ 32	567	
ISO 4406:1999 (c)	20/19/14	18/16/12	23/21/16	
Silicon	ppm	06	06	2	6
Sodium	ppm	04	◯ <1	0 12	2
Potassium	ppm	0 2	0 2	01	0

	ar Metals	5			
Iron	ppm	3	5	◯ <1	0 4
Copper	ppm	08	08	02	6
Lead	ppm	0	2	◯ <1	0
Tin	ppm	<mark></mark> <1	01	◯ <1	◯ <1
Aluminum	ppm	○ <1	01	2	◯ <1
Chromium	ppm	0 (○ <1	◯ <1	0
Molybdenum	ppm	0	01	<1	0
Nickel	ppm	0 (○ <1	◯ <1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	○ <1	01	0	◯ <1
Vanadium	ppm	0	<1	<1	0

0	

Additives						
Calcium	ppm	O 931	0 1008	482	0 1132	
Magnesium	ppm	05	0 6	6	07	
Zinc	ppm	637	0606	293	661	
Phosphorus	ppm	0 553	5 93	203	580	
Barium	ppm	0	0	0	0	
Boron	ppm	0 🔘	0	0	0	



HEAVY MACHINES INC.

3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM T: F: (901)260-2245

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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 amount and size of particulates present in the system are acceptable. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

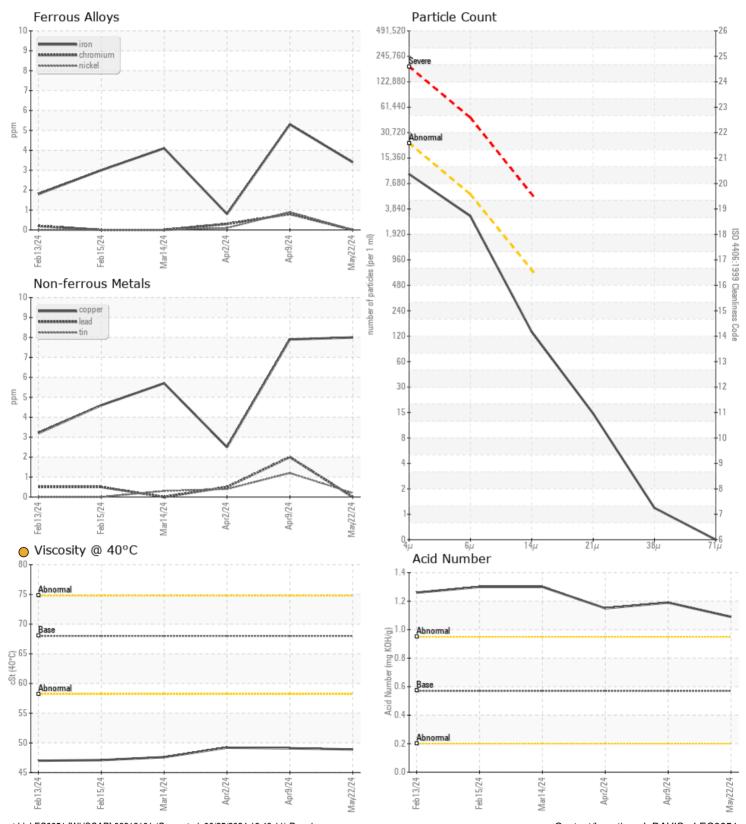
Depot: LEC0051 Unique No: 11096298 Don Baldridge Signed: Report Date: 25 Jun 2024 Contact/Location: J. DAVIS - LEC0051

LEBHERR CONSTRUCTION EQUIPMENT



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Graphs



Report Id: LEC0051 [WUSCAR] 06218101 (Generated: 06/25/2024 18:49:11) Rev: 1

Contact/Location: J. DAVIS - LEC0051