LIEBHERR

CONSTRUCTION EQUIPMENT

[(344443)] LIEBHERR LH24 118108-1251 - Hydraulic System

Sample No: LH0250457

Silver

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

Additives

Oil Type: MOBIL UNIVIS N-C 46

Samp	le Inform	ation			
Sample Number		LH0250457	LH0194120	LH0194114	LH0194064
Sample Date		04 Apr 2024	04 Apr 2023	26 Jan 2023	21 Nov 2022
Machine Hours		7662	5211	4500	4075
Oil Hours		0	0	0	0
Oil Changed		Changed	Not Changd	Not Changd	Not Changd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL
<u> </u>					
OilCo	ndition				
Visc @ 40°C	cSt	29.3	O 29.0	29.3	O 30.2
Acid Number (AN)		29.3		_	0.61
Acid Number (AN)	ing Kon/g		0.47	0.50	0.61
Conta	mination				
Water	%	NEG	NEG	NEG	NEG
Particles >4µm		18675	O 2617	490	O 1752
Particles >6µm		4972	481	O 135	417
Particles >14µm		260	O 18	O 13	20
ISO 4406:1999 (c)		21/19/15	19/16/11	16/14/11	18/16/11
Silicon	ppm	2	3	O 2	02
Sodium	ppm	2	O <1	O <1	1
Potassium	ppm	0	O 0	O <1	O 0
<u></u>					
(O Wear	Metals				
Iron		13	O 10	O 9	O 13
Copper	ppm	0 4	0 3	03	0 4
Copper Lead	ppm	0 0	0 <1	0 <1	0 <1
Tin		0	00	00	0 <1
Aluminum	ppm	0 <1	0 <1	0 <1	0 < 1
Chromium	ppm	0 2	0 < 1	0 <1	0 1
	ppm	_		0	0
Molybdenum Nickel	ppm	○ 0 ○ 0	0 <1	0 0	0 0
	ppm	•			0
Titanium	ppm	0	0	0	0

 \bigcirc <1

67

439

391

71

<1

432

385

81

 \bigcirc <1

457

0 412



ABC RECYCLING 8081 MEADOW AVE. BURNABY, BC CA V3N 2V9 Contact: John Anderson john.anderson@abcrecycling.com T: (778)988-9944 F:

Confirm the source of the lubricant

Diagnosis

being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as MOBIL UNIVIS N-C 46, however, a fluid match indicates that this fluid is ISO 32 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample. 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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: ABCBUR
Unique No: 5772137
Signed: Kevin Marson
Report Date: 24 Apr 2024

0

64

442

361

<1

 \bigcirc 0

<1</p>

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Graphs

