LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R920 045422-1705 - Swing Drive

Sample No: LHMC116254

Oil Type: LIEBHERR GEAR BASIC 90 LS

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		DRMATION			
Sample Number		LHMC116254	LH0229831	LH0217221	LHMC104382
Sample Date		11 Jul 2023	29 Nov 2022	15 Apr 2022	07 Feb 2022
Machine Hours		9805	8143	7593	7059
Oil Hours		1000	500	500	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL	CONDITIO	ON			
Visc @ 40°C	cSt	206	370	○ 360	367
-4					
CON	TAMINA	TION			
			0.1	0 1	
Silicon	ppm	O <1	0 1	O <1	0 1
Sodium	ppm	O <1	0 <1	0 2	0
Potassium	ppm	0	O <1	0	O <1
(O) WE					
WE	AR META	LS			
Iron	ppm	14	O 31		○ 32
Copper	ppm	11	○ 30	17	O 14
Lead	ppm	0	0	0	O 0
Tin	ppm	0	O <1	O 1	O <1
Aluminum	ppm	0	O <1	O <1	O 0
Chromium	ppm	0	O <1	O 0	O <1
Molybdenum	ppm	0	O <1	O <1	1
Nickel	ppm	0	O 0	 <1	O 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	O <1	O <1	O <1
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	8	O 2	O 2	5
Magnesium	ppm	4	O <1	O 0	O 0
Zinc	ppm	12	O 24	0	0
Phosphorus	ppm	2153	O 1092	O 1052	O 1150
Barium	ppm	6	00	00	00
Boron	ppm	0 0	0 1	0 2	0 1
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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. The condition of the oil is acceptable for the time in service.

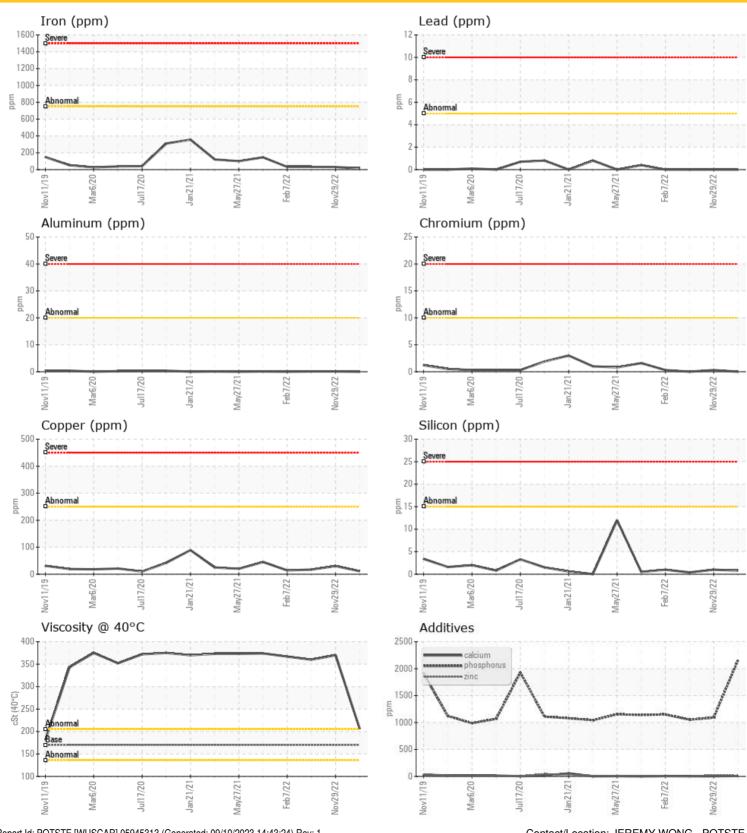
Depot:POTSTEUnique No:10635925Signed:Don BaldridgeReport Date:10 Sep 2023

CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: POTSTE [WUSCAR] 05945313 (Generated: 09/10/2023 14:43:24) Rev: 1

Contact/Location: JEREMY WONG - POTSTE