LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 1216-109299 - Swing Drive

Sample No: LH0272564

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

SAMPLEINFOR	MATION			
0711111 ================================				
Sample Number	LH0272564	LH0264385	LH0243145	LH0217660
Sample Date	19 Jan 2024	21 Jul 2023	21 Dec 2022	07 Jun 2022
Machine Hours	9018	8127	7018	6004
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



ALTER METAL 2900 SHERMAN STREET WAUSAU, WI US 54401 Contact: Service Manager

Contact. Service Manage

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OILC	ONDITI	ON				
Visc @ 40°C	cSt	121	O 127	O 129	138	

CONTAMINATION Water % **NEG** NEG NEG NEG Silicon 0<1 02 02 ppm Sodium 02 0 02 **2** ppm Potassium 0<1 ppm

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.

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WE!	AR META	LS			
Iron	ppm	72	9 7	6 1	O 51
Copper	ppm	54	99	47	O 52
Lead	ppm	0	0	O 0	O 0
Tin	ppm	2	3	O 1	O 2
Aluminum	ppm	0	<1	O <1	O <1
Chromium	ppm	0	O <1	O <1	O <1
Molybdenum	ppm	 <1	2	O 2	1
Nickel	ppm	0	O <1	O 0	O 0
Titanium	ppm	 <1	0	O 0	O 0
Silver	ppm	<1	0	0	<1
Manganese	ppm	1	O 1	<1	O <1
Vanadium	ppm	0	0	0	0
-					

Variadiani	PPIII	•	0	0	0	
ADDITIVES						
ADDITIVES						
Calcium	ppm	95	148	157	101	
Magnesium	ppm	9	8		O 9	
Zinc	ppm	48	O 59	O 73	4 3	
Phosphorus	ppm	734	846	804	949	
Barium	ppm	0	0	O 0	0	
Boron	ppm	7	O 23	O 22	○ 31	

Depot:ALTWAUUSUnique No:10846835Signed:Wes DavisReport Date:25 Jan 2024

LIEBHERR







GRAPHS

