

LIEBHERR

CONSTRUCTION EQUIPMENT



[(365672)] LIEBHERR LH50M 135585-1216 - Rear Differential

Sample No: LH0223046

Oil Type: MOBIL MOBILUBE HD LS 80W90



Weyerhaeuser
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 CA P9N 3X8
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Sample Information

Sample Number	LH0223046	LH0223034	LH0223022	LH0223010
Sample Date	25 Oct 2022	25 Aug 2022	27 Jun 2022	03 May 2022
Machine Hours	4976	3930	2996	2003
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	152	151	147	134



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	14	11	26
Sodium	ppm	<1	2	2	2
Potassium	ppm	<1	<1	<1	1



Wear Metals

Iron	ppm	55	107	61	85
Copper	ppm	22	51	37	44
Lead	ppm	<1	2	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	1	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	<1	<1	2
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	2	3
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	18	75	80	217
Magnesium	ppm	<1	1	<1	1
Zinc	ppm	34	54	41	87
Phosphorus	ppm	2139	2038	2077	1695
Barium	ppm	0	<1	<1	4
Boron	ppm	109	66	104	8

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: WEY100KEN
Unique No: 5477275
Signed: Wes Davis
Report Date: 02 Nov 2022



Graphs

