

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0223045

Oil Type: MOBIL MOBILUBE HD LS 80W90



Sample Information

Sample Number	LH0223045	LH0223033	LH0223021	LH0223009
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

Weyerhaeuser

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CA P9N 3X8

Contact: Rene Gagne

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Oil Condition

Visc @ 40°C	cSt	145	141	141	186
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	3	6
Sodium	ppm	1	<1	<1	3
Potassium	ppm	<1	0	<1	<1



Wear Metals

Iron	ppm	5	7	5	17
Copper	ppm	9	44	27	31
Lead	ppm	<1	5	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	2	24	26	5
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	11	59	52	19
Phosphorus	ppm	2281	1914	2052	1179
Barium	ppm	0	6	6	364
Boron	ppm	190	158	162	2

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: 5477274

Signed: Wes Davis

Report Date: 02 Nov 2022



Graphs

