

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118290-1216 - Rear Differential

Sample No: LH0158907

Oil Type: MOBIL MOBILUBE HD LS 80W90

Weyerhaeuser

1000 Jones road

Kenora, ON

CA P9N 3X8

Contact: Rene Gagne

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Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Sample Information

Sample Number		LH0158907	LH	LH0158893	LH0158879
Sample Date		09 Oct 2021	07 Sep 2021	05 Aug 2021	09 Jun 2021
Machine Hours		9990	10280	9041	8025
Oil Hours		0	290	0	0
Oil Changed		Changed	Not Changd	Not Changd	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	● 162	● 153	● 157	● 155
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 2	● 2	● 2	● 3
Sodium	ppm	● 1	● <1	● <1	● 2
Potassium	ppm	● <1	● <1	● <1	● <1



Wear Metals

Iron	ppm	● 30	● 12	● 24	● 27
Copper	ppm	● 29	● 7	● 22	● 15
Lead	ppm	● <1	● 1	● <1	● <1
Tin	ppm	● <1	● <1	● 0	● 0
Aluminum	ppm	● 1	● <1	● <1	● <1
Chromium	ppm	● <1	● 0	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● <1	● 0	● 0	● <1
Manganese	ppm	● 1	● <1	● 1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



Additives

Calcium	ppm	● 2	● 30	● 2	● 2
Magnesium	ppm	● 0	● <1	● 0	● 0
Zinc	ppm	● 27	● 20	● 21	● 14
Phosphorus	ppm	● 2212	● 2353	● 2289	● 2206
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	● 121	● 166	● 143	● 129

Depot: WEY100KEN
 Unique No: 5302515
 Signed: Bill Quesnel
 Report Date: 22 Oct 2021



Graphs

