

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118290-1216 - Front Differential

Sample No: LH

Oil Type: MOBIL MOBILUBE HD LS 80W90



Weyerhaeuser
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 Kenora, ON
 CA P9N 3X8
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Sample Information

Sample Number	LH	LH0158892	LH0158878	LH0158864
Sample Date	09 Oct 2021	05 Aug 2021	09 Jun 2021	07 Apr 2021
Machine Hours	9990	9041	8025	6995
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	149	151	141	141
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Contamination

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



Wear Metals

Iron	ppm	8	4	7	3
Copper	ppm	4	2	4	2
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	<1	<1	2	3
Magnesium	ppm	0	0	0	<1
Zinc	ppm	6	6	8	8
Phosphorus	ppm	2123	2214	2134	2076
Barium	ppm	0	0	<1	<1
Boron	ppm	188	185	193	182

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: 5302519
Signed: Kevin Marson
Report Date: 19 Oct 2021



Graphs

