

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118290-1216 - Splitter Box

Sample No: LH0158910

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0158910	LH0158896	LH0158882	LH0158868
Sample Date	09 Oct 2021	05 Aug 2021	10 Jun 2021	07 Apr 2021
Machine Hours	9990	9041	8025	6995
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Weyerhaeuser

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Oil Condition

Visc @ 40°C	cSt	150	186	185	184



Contamination

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



Wear Metals

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



Additives

Calcium	ppm	8	9	18	72
Magnesium	ppm	<1	<1	0	<1
Zinc	ppm	29	23	22	43
Phosphorus	ppm	2245	2382	2264	2181
Barium	ppm	0	0	0	0
Boron	ppm	125	3	1	5

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: WEY100KEN

Unique No: 5302514

Signed: Wes Davis

Report Date: 19 Oct 2021



Graphs

