

LIEBHERR

CONSTRUCTION EQUIPMENT



- Splitter Box

Sample No: LHMC165952

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LHMC165952	LH0268687	LHMC98755	LHMC98619
Sample Date	11 Apr 2024	29 Jan 2024	18 Oct 2019	17 Jul 2019
Machine Hours	10104	9721	1084	599
Oil Hours	0	1000	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

AMERICAN STATE EQUIPMENT CO.
 2055 SOUTH 108TH STREET
 MILWAUKEE, WI
 US 53227
 Contact: JIM SCHEBERL



Oil Condition

Visc @ 40°C	cSt	108	99.7	141	185
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T: (414)541-8700
 F: (414)541-1892



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	<1	<1
Sodium	ppm	<1	1	4	4
Potassium	ppm	2	1	5	3

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal.



Wear Metals

Iron	ppm	13	16	19	11
Copper	ppm	5	6	<1	1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	<1	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	0	2	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



Additives

Calcium	ppm	157	180	130	32
Magnesium	ppm	11	5	13	0
Zinc	ppm	113	124	98	19
Phosphorus	ppm	606	698	1471	1231
Barium	ppm	0	0	2	4
Boron	ppm	27	39	177	3

Depot: LEC0007
Unique No: 10989265
Signed: Jonathan Hester
Report Date: 24 Apr 2024



Graphs

