

LIEBHERR

CONSTRUCTION EQUIPMENT



054454-194 - Splitter Box

Sample No: LHMC123902

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LHMC123902	LHMC96903	LHMC81389	---
Sample Date	09 Jan 2020	26 Apr 2018	16 May 2016	---
Machine Hours	3409	2587	986	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

UNITED STATES GYPSUM
 301 RILEY RD
 EAST CHICAGO, IN
 US 43612
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	176	155.8	157.0	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	5	---
Sodium	ppm	2	2	4	---
Potassium	ppm	2	11	7	---

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.



WEAR METALS

Iron	ppm	69	46	80	---
Copper	ppm	2	1	1	---
Lead	ppm	<1	<1	1	---
Tin	ppm	0	0	2	---
Aluminum	ppm	<1	1	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	84	93	29	---
Magnesium	ppm	8	1	2	---
Zinc	ppm	64	46	32	---
Phosphorus	ppm	2028	1743	1687	---
Barium	ppm	<1	<1	6	---
Boron	ppm	33	76	123	---

Depot: UNIEASLH
 Unique No: 8883919
 Signed: Wes Davis
 Report Date: 16 Jan 2020



GRAPHS

