

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 035543-461 - Splitter Box

Sample No: LH0268798

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268798	LHMC59684	LHMC78237	LHMC84840
Sample Date	30 Jan 2024	30 Jun 2017	30 Jan 2017	09 Sep 2016
Machine Hours	17019	4001	3004	2000
Oil Hours	500	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

MIDDLE RIVER MARINE
 1771 SOUTH TORRENCE AVE
 CHICAGO, IL
 US 60617
 Contact: Scott Molitor
 scottmolitor@gomiddleriver.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	120	104.3	101.9	106.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	2	5
Sodium	ppm	2	7	3	3
Potassium	ppm	1	0	2	0

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	32	8	9	13
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	1	<1
Tin	ppm	0	4	3	1
Aluminum	ppm	1	0	0	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

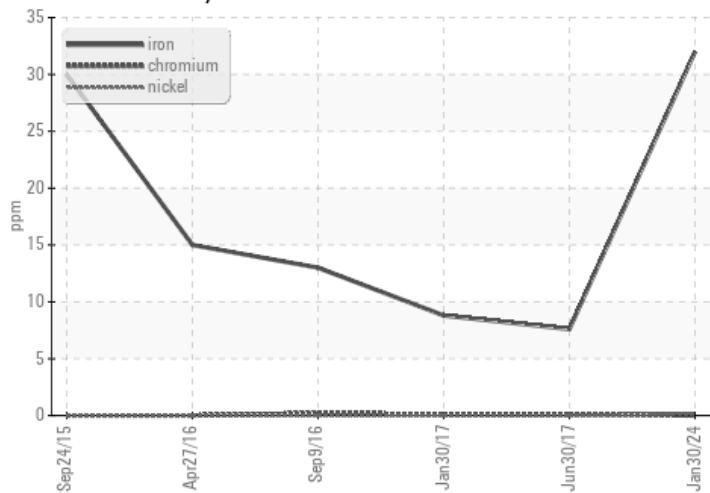
Calcium	ppm	42	33	19	31
Magnesium	ppm	9	1	0	0
Zinc	ppm	52	13	8	14
Phosphorus	ppm	1605	1167	1188	1208
Barium	ppm	0	6	0	0
Boron	ppm	213	216	196	194

Depot: MIDCHILL
Unique No: 10884174
Signed: Don Baldrige
Report Date: 18 Feb 2024

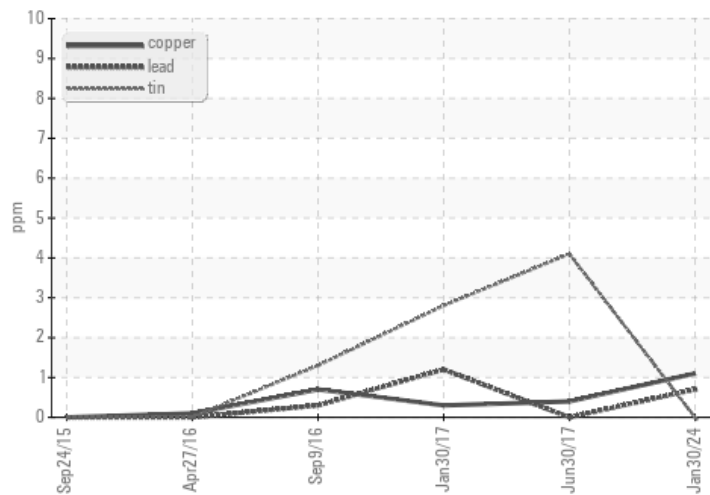


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

