

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A924C064060-1049 - Front Left Wheel Hub

Sample No: LHMC79496

Oil Type: REPUBLIC CRANE GEAR OIL 90LS PLUS



#### SAMPLE INFORMATION

Sample Number	LHMC79496	LHMC158142	LH0157725	LHMC142577
Sample Date	09 Jan 2024	01 Sep 2022	26 May 2021	07 Oct 2020
Machine Hours	23880	20945	18120	16690
Oil Hours	0	0	1125	1350
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**MIDWEST METALS CORP**  
 40 WINDHURST WAY  
 SHELBYVILLE, KY  
 US 40065  
 Contact: JIMMY RENFROE  
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#### OIL CONDITION

Visc @ 40°C	cSt	185	191	195	193
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	3
Sodium	ppm	4	7	6	6
Potassium	ppm	<1	0	0	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	25	28	22	21
Copper	ppm	1	1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

Calcium	ppm	40	54	29	45
Magnesium	ppm	0	<1	<1	1
Zinc	ppm	26	41	24	39
Phosphorus	ppm	2387	2293	2313	2139
Barium	ppm	0	<1	0	0
Boron	ppm	0	<1	19	3

Depot: MIDSHELH  
 Unique No: 10843007  
 Signed: Wes Davis  
 Report Date: 22 Jan 2024

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### GRAPHS

