

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C064060-1049 - Rear Right Wheel Hub

Sample No: LHMC104636

Oil Type: REPUBLIC CRANE GEAR OIL 90LS PLUS



SAMPLE INFORMATION

Sample Number	LHMC104636	LHMC158139	LH0157722	LHMC126945
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	181	192	194	192
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CONTAMINATION

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



WEAR METALS

Iron	ppm	8	8	9	7
Copper	ppm	<1	2	1	1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	4	0	<1
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	24	29	9	71
Magnesium	ppm	0	4	<1	<1
Zinc	ppm	7	24	4	26
Phosphorus	ppm	2322	2234	2296	2322
Barium	ppm	0	0	0	0
Boron	ppm	5	2	21	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.

Depot: MIDSHELH
Unique No: 10843005
Signed: Wes Davis
Report Date: 22 Jan 2024



GRAPHS

