

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C055984-1049 - Swing Drive

Sample No: LH0243240

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0243240	LHMC110724	LH0203808	LH0157810
Sample Date	13 Jun 2023	15 Dec 2022	10 Nov 2021	15 Jan 2021
Machine Hours	17234	16782	15758	14903
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

DUMES INC
1640 NORTH 6TH ST
VINCENNES, IN
US 47591
Contact:



OIL CONDITION

Visc @ 40°C	cSt	188	187	179	194
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T:
F:



CONTAMINATION

Water	%	---	---	---	0.504
Silicon	ppm	1	3	1	2
Sodium	ppm	3	2	2	1
Potassium	ppm	3	4	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	324	373	355	125
Copper	ppm	157	203	200	91
Lead	ppm	0	0	<1	2
Tin	ppm	<1	1	<1	0
Aluminum	ppm	<1	2	0	<1
Chromium	ppm	2	3	3	1
Molybdenum	ppm	<1	1	1	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	5	4	2
Vanadium	ppm	0	0	0	0



ADDITIVES

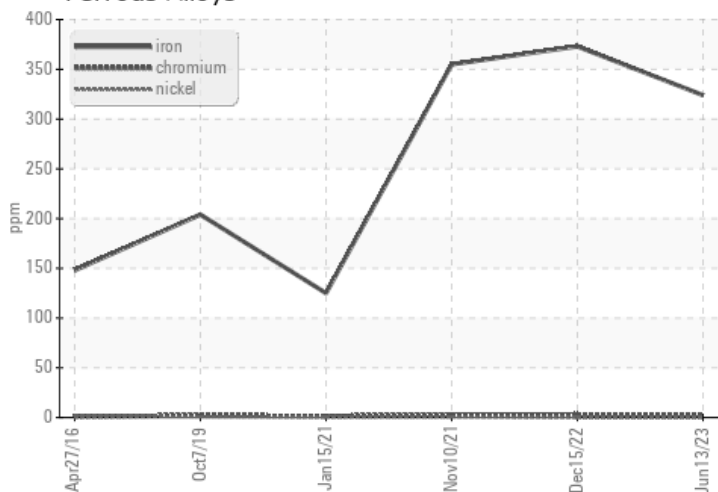
Calcium	ppm	26	20	25	9
Magnesium	ppm	5	4	<1	<1
Zinc	ppm	25	32	<1	23
Phosphorus	ppm	2465	2113	2316	1679
Barium	ppm	0	<1	0	0
Boron	ppm	0	2	6	5

Depot: DUMVINLH
Unique No: 10536746
Signed: Doug Bogart
Report Date: 02 Jul 2023

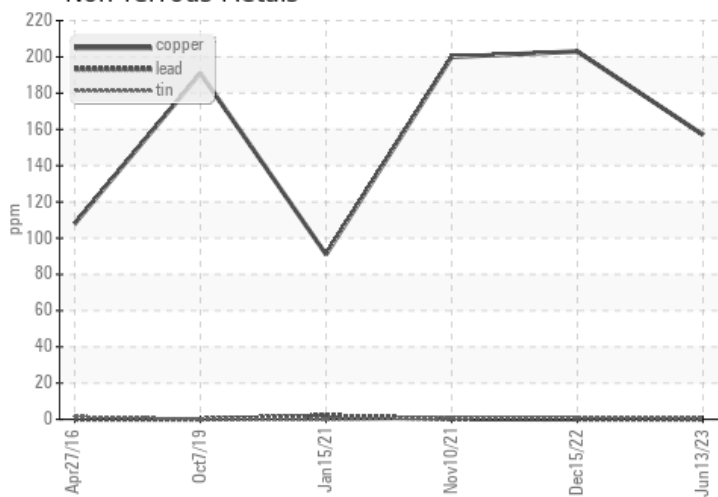


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

