

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340370)] LIEBHERR R945 050696-1866 - Splitter Box

Sample No: LH0274811

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0274811	LH0247009	LH0178576	LH0222718
Sample Date	10 Oct 2023	27 Jun 2023	18 Jul 2022	28 Apr 2022
Machine Hours	4465	4010	2482	2019
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CLOUTHIER VENTURES LTD.
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OIL CONDITION

Visc @ 40°C	cSt	150	138	119	129
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CONTAMINATION

Silicon	ppm	13	12	6	3
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	1	<1



WEAR METALS

Iron	ppm	25	25	22	18
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	1	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	9	14	14	12
Magnesium	ppm	<1	2	1	<1
Zinc	ppm	10	12	10	8
Phosphorus	ppm	2025	1822	1687	1886
Barium	ppm	<1	0	0	0
Boron	ppm	102	137	177	145

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: CLOPEM
 Unique No: 5657775
 Signed: Wes Davis
 Report Date: 12 Oct 2023



GRAPHS

