

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 029946 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
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SAMPLE INFORMATION

Sample Number	LH	LH0130924	LH0120243	LH0116504
Sample Date	06 Nov 2023	08 Apr 2019	10 Jul 2018	16 May 2017
Machine Hours	13000	10327	8895	7290
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	94.8	86.2	84.8	89.9
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CONTAMINATION

Silicon	ppm	4	3	3	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	362	90	67	47
Copper	ppm	20	8	5	4
Lead	ppm	2	<1	<1	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	3	2	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	8	6	9
Magnesium	ppm	2	2	2	0
Zinc	ppm	8	8	6	6
Phosphorus	ppm	2063	3336	3482	2832
Barium	ppm	0	0	0	0
Boron	ppm	301	307	286	303

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: SUMAYR
 Unique No: 5680941
 Signed: Wes Davis
 Report Date: 13 Nov 2023



GRAPHS

