

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 029946 - Splitter Box

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH	LH0120242	LH0116502	LH0108125
Sample Date	06 Nov 2023	10 Jul 2018	16 May 2017	07 Sep 2016
Machine Hours	13000	8895	7290	6558
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
 greg@summitagg.com
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 F:



OIL CONDITION

Visc @ 40°C	cSt	90.5	88.7	89.4	82.8
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CONTAMINATION

Element	ppm	5	3	2	8
Silicon	ppm	5	3	2	8
Sodium	ppm	1	0	2	1
Potassium	ppm	<1	1	<1	0



WEAR METALS

Element	ppm	---	---	---	52
PQ		---	---	---	52
Iron	ppm	62	21	15	189
Copper	ppm	<1	0	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	28	9	23	27
Calcium	ppm	28	9	23	27
Magnesium	ppm	10	3	<1	2
Zinc	ppm	66	11	16	82
Phosphorus	ppm	1302	1227	1248	1221
Barium	ppm	<1	0	<1	0
Boron	ppm	240	292	305	249

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: SUMAYR
Unique No: 5680919
Signed: Wes Davis
Report Date: 13 Nov 2023



GRAPHS

