

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347076)] LIEBHERR L586 062518-1761 - Splitter Box

Sample No: LH0280853

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0280853	LH0269535	LH0234515	LH0238539
Sample Date	19 Jan 2024	28 Aug 2023	17 Jan 2023	20 Aug 2022
Machine Hours	8083	7038	5327	4090
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

MODERN CONSTRUCTION (1983) LTD.
 364 BRIGGS CROSS ROAD
 STILESVILLE, NB
 CA E1G 3G3
 Contact: Blaine Cail
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	79.6	73.6	64.7	88.8



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	6	8	2
Sodium	ppm	<1	1	<1	3
Potassium	ppm	2	<1	0	<1



WEAR METALS

Iron	ppm	18	25	24	25
Copper	ppm	2	4	5	<1
Lead	ppm	2	3	5	4
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	3	4	2
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	146	291	531	408
Magnesium	ppm	6	4	5	4
Zinc	ppm	118	210	325	402
Phosphorus	ppm	1128	1106	1063	1515
Barium	ppm	0	0	0	0
Boron	ppm	249	199	127	10

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: MODSTI
 Unique No: 5720308
 Signed: Wes Davis
 Report Date: 25 Jan 2024



GRAPHS

