

LIEBHERR

CONSTRUCTION EQUIPMENT



[(336305)] LIEBHERR L566 057382-1332 - Splitter Box

Sample No: LH0270045

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0270045	LH0256088	LH0235160	LH
Sample Date	07 Aug 2023	14 Apr 2023	23 Sep 2022	10 Jun 2021
Machine Hours	4851	3900	3045	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CGC DIVISION GYPSUM
 7200 RUE NOTRE-DAME EST
 MONTREAL, QC
 CA H1N 3L6
 Contact: YVES CHEVALIER



OIL CONDITION

Visc @ 40°C	cSt	122	154	125	101
-------------	-----	-----	-----	-----	-----

T: (514)255-4061
 F: (514)255-6075



CONTAMINATION

Silicon	ppm	2	3	3	2
Sodium	ppm	<1	1	2	2
Potassium	ppm	<1	0	<1	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	16	24	20	39
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	2
Nickel	ppm	<1	<1	<1	3
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	36	24	33	29
Magnesium	ppm	1	2	2	3
Zinc	ppm	203	56	42	20
Phosphorus	ppm	2070	2197	1777	1382
Barium	ppm	0	0	0	<1
Boron	ppm	8	28	130	258

Depot: CAN720MON
 Unique No: 5619976
 Signed: Wes Davis
 Report Date: 09 Aug 2023



GRAPHS

