

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363880)] LIEBHERR L550 064917-1756 - Splitter Box

Sample No: LH0261012

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0261012 | LH0250799 | LH0235285 | LH |
| Sample Date | 15 Jun 2023 | 03 Feb 2023 | 14 Sep 2022 | 02 May 2022 |
| Machine Hours | 4922 | 4136 | 3114 | 0 |
| Oil Hours | 0 | 0 | 0 | 1986 |
| Oil Changed | Changed | Changed | Changed | N/A |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

ARMAND DUHAMEL et FILS INC.
 778 RUE DE L' EGLISE
 ST-IGNACE-STANDBRIDGE, QC
 CA J0J 1Y0
 Contact:



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 176 | 173 | 180 | 183 |
|-------------|-----|-----|-----|-----|-----|

T:
F:



CONTAMINATION

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

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.



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 10 | 13 | 17 | 8 |
| Copper | ppm | 2 | 2 | <1 | 1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | <1 | 0 | 0 | 0 |
| Molybdenum | ppm | 2 | 2 | 2 | 3 |
| Nickel | ppm | 1 | 3 | 3 | 1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 6 | 32 | 7 | 6 |
| Magnesium | ppm | <1 | <1 | 2 | <1 |
| Zinc | ppm | 157 | 146 | 132 | 32 |
| Phosphorus | ppm | 2327 | 2446 | 2351 | 2507 |
| Barium | ppm | 0 | 0 | <1 | <1 |
| Boron | ppm | 1 | 3 | 5 | 2 |

Depot: ARMSTI
 Unique No: 5604403
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

