

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145793-1216 - Splitter Box

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| Sample Number | LH | LH | LH | LH |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 30 Nov 2023 | 12 Nov 2023 | 11 Oct 2023 | 21 Sep 2023 |
| Machine Hours | 5000 | 4500 | 4000 | 3500 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

PF Resolu Canada Inc.
 5850 avenue des jardins
 La Dore, QC
 CA G8J 1B4
 Contact: Dominic Caron



OIL CONDITION

| Visc @ 40°C | cSt | 185 | 184 | 186 | 178 |
|-------------|-----|-----|-----|-----|-----|
| | | | | | |

T:
F:



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | 3 | 4 | 2 | 2 |
| Sodium | ppm | 1 | 2 | 2 | 2 |
| Potassium | ppm | 0 | <1 | 0 | <1 |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 11 | 10 | 10 | 12 |
| Copper | ppm | <1 | <1 | 1 | 1 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | <1 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | <1 | <1 | <1 |
| Manganese | ppm | 0 | 0 | 0 | 0 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 43 | 39 | 23 | 25 |
| Magnesium | ppm | 3 | 7 | 0 | <1 |
| Zinc | ppm | 26 | 29 | 18 | 28 |
| Phosphorus | ppm | 2271 | 2253 | 2280 | 2306 |
| Barium | ppm | <1 | <1 | <1 | <1 |
| Boron | ppm | <1 | <1 | <1 | 3 |

Depot: ABILAD
Unique No: 5685302
Signed: Wes Davis
Report Date: 01 Dec 2023



GRAPHS

