

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 053565-1332 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| Sample Number | LH | LH0189235 | LH0224102 | LH0246670 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 12 Jan 2024 | 02 Jun 2023 | 03 Mar 2023 | 25 Nov 2022 |
| Machine Hours | 16000 | 14035 | 13047 | 11965 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

NEXOLIA, CHAPAIS ENERGIE SEC
 140 RUE DE LA CONGENERATION
 CHAPAIS, QC
 CA G0W 1H0
 Contact: Carl Adams



OIL CONDITION

| Visc @ 40°C | cSt | 190 | 179 | 186 | 190 |
|-------------|-----|-----|-----|-----|-----|
| | | | | | |

T: (418)745-2521
 F: (418)745-3680



CONTAMINATION

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

Diagnosis

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. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 63 | 18 | 66 | 46 |
| Copper | ppm | 14 | 11 | 21 | 14 |
| Lead | ppm | 0 | <1 | <1 | <1 |
| Tin | ppm | <1 | <1 | 1 | <1 |
| Aluminum | ppm | <1 | 0 | <1 | <1 |
| Chromium | ppm | <1 | 0 | <1 | 0 |
| Molybdenum | ppm | 5 | <1 | 3 | 2 |
| Nickel | ppm | 0 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | <1 |
| Manganese | ppm | <1 | <1 | 2 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 5 | 0 | 5 | 2 |
| Magnesium | ppm | <1 | 0 | 0 | 0 |
| Zinc | ppm | 12 | 6 | 10 | 6 |
| Phosphorus | ppm | 2266 | 2400 | 2454 | 2449 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | <1 | <1 | 1 | 3 |

Depot: CHA140CHA
 Unique No: 5710561
 Signed: Wes Davis
 Report Date: 17 Jan 2024



GRAPHS

