

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 054860-1332 - Rear Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH | LH | LH0153027 | LH0246665 |
| Sample Date | 08 Dec 2023 | 18 Jul 2023 | 14 Apr 2023 | 20 Jan 2023 |
| Machine Hours | 15000 | 13966 | 13063 | 12018 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

GROUPE LIGNAREX INC.
 7700 CHEMIN DE LA BATTURE
 LA BAIE, QC
 CA G7B 3P6
 Contact: Service Manager



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 178 | 185 | 194 | 189 |
|-------------|-----|-----|-----|-----|-----|

T:
F:



CONTAMINATION

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

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 | 41 | 20 | 31 | 36 |
| Copper | ppm | 8 | 5 | 10 | 9 |
| Lead | ppm | <1 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | <1 | <1 |
| Aluminum | ppm | <1 | <1 | 0 | <1 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 2 | 2 | 3 | 4 |
| Nickel | ppm | <1 | 0 | 0 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 6 | 5 | <1 | 4 |
| Magnesium | ppm | 0 | <1 | <1 | <1 |
| Zinc | ppm | 9 | 7 | 7 | 6 |
| Phosphorus | ppm | 2231 | 2408 | 2364 | 2354 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 2 | 2 | <1 | 2 |

Depot: GROLAB
 Unique No: 5695980
 Signed: Wes Davis
 Report Date: 13 Dec 2023



GRAPHS

