

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120559-1216 - Front Right Wheel Hub

Sample No: LH0261238

Oil Type: GEAR OIL SAE 80W90



BOIS GRANVAL G D S INC

10 RUE INDUSTRIELLE
GRANDE-VALLEE, QC
CA G0E 1K0

Contact: Michel Minville
mminville@grouppgds.com

T: (418)393-2598

F: (418)393-3037



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | LH0261238 | LH0239005 | LH | LH0194177 |
| Sample Date | 09 Jul 2023 | 11 Oct 2022 | 13 Sep 2021 | 12 Aug 2021 |
| Machine Hours | 10181 | 9355 | 0 | 6584 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | ABNORMAL |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-------|-------|
| Visc @ 40°C | cSt | ● 190 | ● 190 | ● 113 | ● 174 |
|-------------|-----|-------|-------|-------|-------|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|------|
| Silicon | ppm | ● 7 | ● 29 | ● 4 | ● 29 |
| Sodium | ppm | ● 9 | ● 16 | ● 5 | ● 16 |
| Potassium | ppm | ● <1 | ● 1 | ● 2 | ● 5 |



WEAR METALS

| | | | | | |
|------------|-----|------|-------|-------|-------|
| Iron | ppm | ● 75 | ● 141 | ● 105 | ● 320 |
| Copper | ppm | ● 3 | ● 7 | ● 7 | ● 13 |
| Lead | ppm | ● 0 | ● <1 | ● <1 | ● <1 |
| Tin | ppm | ● 0 | ● 0 | ● 0 | ● <1 |
| Aluminum | ppm | ● 2 | ● 6 | ● 1 | ● 6 |
| Chromium | ppm | ● <1 | ● <1 | ● <1 | ● 2 |
| Molybdenum | ppm | ● 0 | ● 0 | ● <1 | ● <1 |
| Nickel | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Titanium | ppm | ● 0 | <1 | 0 | <1 |
| Silver | ppm | ● 0 | ● 0 | ● <1 | ● 2 |
| Manganese | ppm | ● 1 | ● 2 | ● 3 | ● 4 |
| Vanadium | ppm | ● 0 | ● 0 | ● 0 | ● <1 |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|--------|--------|
| Calcium | ppm | ● 12 | ● 20 | ● 22 | ● 78 |
| Magnesium | ppm | ● 2 | ● 2 | ● 3 | ● 7 |
| Zinc | ppm | ● 15 | ● 25 | ● 28 | ● 58 |
| Phosphorus | ppm | ● 2250 | ● 2407 | ● 1691 | ● 2345 |
| Barium | ppm | ● 0 | ● 0 | ● 0 | ● <1 |
| Boron | ppm | ● 3 | ● 6 | ● 109 | ● 18 |

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. La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: BOIGRA

Unique No: 5619629

Signed: Wes Davis

Report Date: 08 Aug 2023



GRAPHS

