

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1203-80864 - Rear Right Wheel Hub

Sample No: LH0177826

Oil Type: GEAR OIL SAE 75W90



Scierie Alexandre Lemay et Fils Inc.
 1492, Boul. Vachon S.
 Ste-Marie, QC
 CA G6E 2S5
 Contact: Service Manager
 info@scierielemay.com
 T: (418)209-4081
 F:



Sample Information

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | LH0177826 | LH0130010 | LH0130009 | LH0129993 |
| Sample Date | 14 Jul 2021 | 19 Jun 2019 | 19 Jun 2019 | 20 Sep 2018 |
| Machine Hours | 21583 | 16081 | 16081 | 14360 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Not Changd |
| Sample Status | ABNORMAL | NORMAL | NORMAL | NORMAL |



Oil Condition

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 60.4 | 96.4 | 96.8 | 145 |
|-------------|-----|-------------|------|------|-----|



Contamination

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | NEG |
| Silicon | ppm | 3 | 8 | 8 | 14 |
| Sodium | ppm | 2 | 2 | 2 | 2 |
| Potassium | ppm | <1 | <1 | <1 | <1 |



Wear Metals

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 77 | 111 | 108 | 135 |
| Copper | ppm | 16 | 16 | 16 | 17 |
| Lead | ppm | <1 | <1 | <1 | <1 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 1 | <1 | 1 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 9 | 2 | 2 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | 1 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



Additives

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 282 | 33 | 33 | 6 |
| Magnesium | ppm | 119 | 19 | 20 | <1 |
| Zinc | ppm | 331 | 61 | 61 | 15 |
| Phosphorus | ppm | 1045 | 1174 | 1173 | 707 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 180 | 256 | 257 | <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 le l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 80; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Depot: SC1149STE
Unique No: 5264075
Signed: Kevin Marson
Report Date: 04 Aug 2021



Graphs

