

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 122402-1218 - Rear Left Wheel Hub

Sample No: LH0279328

Oil Type: CHEVRON DELO SYNTHETIC GEAR 75W90



ARCELORMITTAL LONG PRODUITS CANADA
3185 ROUTE MARIE-VICTORIN
CONTRECOEUR, QC
CA J0L 1C0
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T:
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SAMPLE INFORMATION

| Sample Number | LH0279328 | LH0279424 | LH0274200 | LH0256415 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 12 Jan 2024 | 23 Dec 2023 | 21 Oct 2023 | 19 Aug 2023 |
| Machine Hours | 16208 | 9463 | 8989 | 8585 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |



OIL CONDITION

| Visc @ 40°C | cSt | 104 | 106 | 105 | 105 |
|-------------|-----|-----|-----|-----|-----|
| | | | | | |



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | 2 | 2 | 5 | 4 |
| Sodium | ppm | <1 | 1 | 6 | 6 |
| Potassium | ppm | <1 | <1 | <1 | 2 |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 6 | 10 | 44 | 32 |
| Copper | ppm | <1 | <1 | 2 | 2 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | 0 | 0 | <1 | <1 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | <1 | 0 | <1 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | <1 | <1 | 0 |
| Manganese | ppm | 0 | 0 | <1 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 7 | 9 | 14 | 11 |
| Magnesium | ppm | 2 | 2 | 3 | 4 |
| Zinc | ppm | 6 | 8 | 15 | 14 |
| Phosphorus | ppm | 1372 | 1386 | 1371 | 1462 |
| Barium | ppm | 0 | 0 | <1 | 0 |
| Boron | ppm | 266 | 265 | 238 | 245 |

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.

Depot: MITCON
Unique No: 5710175
Signed: Wes Davis
Report Date: 16 Jan 2024



GRAPHS

