

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 122402-1218 - Rear Differential

Sample No: LH0279421

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



ARCELORMITTAL LONG PRODUITS CANADA  
3185 ROUTE MARIE-VICTORIN  
CONTRECOEUR, QC  
CA J0L 1C0  
Contact: Danny Drouin  
danny.drouin@arcelormittal.com  
T:  
F:



#### SAMPLE INFORMATION

| Sample Number | LH0279421   | LH0274203   | LH0260828   | LH0225335   |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date   | 23 Dec 2023 | 21 Oct 2023 | 19 Aug 2023 | 17 Jun 2023 |
| Machine Hours | 9463        | 8989        | 8585        | 7934        |
| Oil Hours     | 0           | 0           | 0           | 0           |
| Oil Changed   | Changed     | Changed     | Changed     | Changed     |
| Sample Status | NORMAL      | NORMAL      | NORMAL      | NORMAL      |



#### OIL CONDITION

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



#### CONTAMINATION

| Water     | %   | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | 2   | 5   | 5   | 3   |
| Sodium    | ppm | 1   | 6   | 5   | 0   |
| Potassium | ppm | <1  | <1  | 1   | <1  |



#### WEAR METALS

|            |     |    |    |    |    |
|------------|-----|----|----|----|----|
| Iron       | ppm | 9  | 44 | 38 | 5  |
| Copper     | ppm | <1 | 2  | 2  | 2  |
| Lead       | ppm | 0  | 0  | 0  | 0  |
| Tin        | ppm | 0  | 0  | 0  | 0  |
| Aluminum   | ppm | <1 | <1 | <1 | <1 |
| Chromium   | ppm | 0  | <1 | <1 | 0  |
| Molybdenum | ppm | 0  | 0  | <1 | <1 |
| Nickel     | ppm | <1 | <1 | <1 | <1 |
| Titanium   | ppm | 0  | 0  | <1 | 0  |
| Silver     | ppm | 3  | <1 | 0  | 0  |
| Manganese  | ppm | 0  | <1 | 1  | 0  |
| Vanadium   | ppm | 0  | 0  | 0  | 0  |



#### ADDITIVES

|            |     |      |      |      |      |
|------------|-----|------|------|------|------|
| Calcium    | ppm | 10   | 15   | 13   | 7    |
| Magnesium  | ppm | 1    | 4    | 4    | 2    |
| Zinc       | ppm | 8    | 16   | 17   | 10   |
| Phosphorus | ppm | 1327 | 1367 | 1460 | 1453 |
| Barium     | ppm | 0    | <1   | <1   | 0    |
| Boron      | ppm | 257  | 241  | 240  | 264  |

#### 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.

Depot: MITCON  
Unique No: 5708997  
Signed: Wes Davis  
Report Date: 10 Jan 2024



### GRAPHS

