

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 060802-1205 - Swing Drive

Sample No: LH0256387

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



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

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0256387 | LH | LH | LH0242838 |
| Sample Date | 04 Aug 2023 | 24 Jul 2023 | 30 Apr 2023 | 08 Jan 2023 |
| Machine Hours | 15093 | 15000 | 14708 | 14123 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Changed | Changed |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|------|------|
| Visc @ 40°C | cSt | 105 | 104 | 99.2 | 88.7 |
|-------------|-----|-----|-----|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----|----|----|----|
| Silicon | ppm | 3 | 4 | 3 | 4 |
| Sodium | ppm | <1 | 1 | 1 | 2 |
| Potassium | ppm | 0 | <1 | <1 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| PQ | | --- | 0 | --- | --- |
| Iron | ppm | 164 | 384 | 312 | 101 |
| Copper | ppm | 11 | 35 | 70 | 45 |
| Lead | ppm | <1 | 3 | 2 | 1 |
| Tin | ppm | 0 | 1 | 4 | 1 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | 2 | 3 | 2 | 1 |
| Molybdenum | ppm | <1 | <1 | <1 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | 0 | <1 | <1 | <1 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | 1 | 3 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 11 | 44 | 82 | 508 |
| Magnesium | ppm | 2 | 4 | 2 | 8 |
| Zinc | ppm | 12 | 46 | 102 | 261 |
| Phosphorus | ppm | 1441 | 1474 | 1489 | 1338 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 264 | 182 | 51 | 168 |

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: 5620224
Signed: Wes Davis
Report Date: 10 Aug 2023



GRAPHS

