

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH26M 124532-1252 - Swing Drive

Sample No: LH0288067

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Amix Recycling
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 Surrey, BC
 CA V3R 2V4
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Sample Information

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0288067 | LH0181020 | LH0181007 | LH0180994 |
| Sample Date | 22 Apr 2024 | 08 Sep 2023 | 10 Jan 2023 | 04 Apr 2022 |
| Machine Hours | 5135 | 4078 | 3035 | 1978 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | NORMAL |



Oil Condition

| | | | | | |
|-------------|-----|-----|-----|------|------|
| Visc @ 40°C | cSt | 103 | 103 | 98.2 | 94.8 |
|-------------|-----|-----|-----|------|------|



Contamination

| | | | | | |
|-----------|-----|-----|-----|-------|-----|
| Water | % | NEG | NEG | 0.336 | NEG |
| Silicon | ppm | 2 | 2 | 3 | <1 |
| Sodium | ppm | <1 | 1 | 2 | 1 |
| Potassium | ppm | <1 | <1 | <1 | <1 |



Wear Metals

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| PQ | | --- | 0 | 0 | --- |
| Iron | ppm | 203 | 357 | 544 | 52 |
| Copper | ppm | 37 | 72 | 75 | 51 |
| Lead | ppm | 0 | 2 | 2 | 1 |
| Tin | ppm | 0 | <1 | <1 | <1 |
| Aluminum | ppm | 0 | <1 | <1 | <1 |
| Chromium | ppm | 2 | 3 | 3 | <1 |
| Molybdenum | ppm | 0 | <1 | <1 | <1 |
| Nickel | ppm | 0 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | 1 | 2 | 4 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



Additives

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 24 | 22 | 21 | 10 |
| Magnesium | ppm | 2 | 2 | 3 | 2 |
| Zinc | ppm | 10 | 15 | 27 | 10 |
| Phosphorus | ppm | 1225 | 1283 | 1325 | 1326 |
| Barium | ppm | 0 | 0 | 0 | 2 |
| Boron | ppm | 287 | 268 | 218 | 280 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AMI116SUR
 Unique No: 5774003
 Signed: Wes Davis
 Report Date: 02 May 2024



Graphs

