

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH26M 124532-1252 - Diesel Engine

Sample No: LH0290491

Oil Type: PETRO CANADA 10W40



Sample Information

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0290491 | LH0288069 | LH0281098 | --- |
| Sample Date | 16 Jul 2024 | 22 Apr 2024 | 08 Jan 2024 | --- |
| Machine Hours | 5572 | 5135 | 4614 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

Amix Recycling

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Oil Condition

| | | | | | |
|----------------|-----|------|------|------|-----|
| Visc @ 100°C | cSt | 14.8 | 14.9 | 14.3 | --- |
| Oxidation (PA) | % | 93 | 80 | 76 | --- |



Contamination

| | | | | | |
|----------------|-----|------|------|------|-----|
| Water | % | NEG | NEG | NEG | --- |
| Soot % | % | 0 | 0 | 0 | --- |
| Nitration (PA) | % | 92 | 83 | 82 | --- |
| Sulfation (PA) | % | 65 | 61 | 60 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Fuel | % | <1.0 | <1.0 | <1.0 | --- |
| Silicon | ppm | 20 | 5 | 4 | --- |
| Sodium | ppm | 2 | 2 | 2 | --- |
| Potassium | ppm | <1 | <1 | <1 | --- |

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.



Wear Metals

| | | | | | |
|------------|-----|----|----|----|-----|
| Iron | ppm | 15 | 14 | 11 | --- |
| Copper | ppm | 1 | 1 | 1 | --- |
| Lead | ppm | 2 | 0 | <1 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 2 | 1 | 2 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 65 | 57 | 42 | --- |
| Nickel | ppm | 0 | 0 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | <1 | 0 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



Additives

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 1127 | 1168 | 1243 | --- |
| Magnesium | ppm | 1052 | 1067 | 893 | --- |
| Zinc | ppm | 1312 | 1312 | 1297 | --- |
| Phosphorus | ppm | 1087 | 1076 | 1059 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | <1 | 2 | 2 | --- |

Depot: AMI116SUR
Unique No: 5814112
Signed: Wes Davis
Report Date: 18 Jul 2024



Graphs

