LIEBHERR

CONSTRUCTION EQUIPMENT



[WEYERHAEUSE] 64161 - Diesel Engine

Sample No: LH0278573

Oil Type: MOBIL 1 FS 0W40

| _ | | | | |
|---------------------------------------|---------|-------------|------|--|
| O SAM | PLE INF | ORMATION | | |
| | | | | |
| Sample Number | | LH0278573 | | |
| Sample Date | | 08 Mar 2024 | | |
| Machine Hours | | 250 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Changed | | |
| Sample Status | | ABNORMAL | | |
| OILC | ONDITI | ON | | |
| Visc @ 100°C | cSt | <u> </u> | | |
| Oxidation (PA) | % | 91 | | |
| • • • • • • • • • • • • • • • • • • • | /0 | 91 | | |
| | | _ | | |
| CON | TAMIN/ | ATION | | |
| Water | % | NEG | | |
| Soot % | % | 0.6 | | |
| Nitration (PA) | % | 57 | | |
| Sulfation (PA) | % | 79 | | |
| Glycol | % | NEG | | |
| Fuel | % | O 5.6 | | |
| | | | | |
| Silicon | ppm | O 5 | | |
| Sodium | ppm | O 14 | | |
| Potassium | ppm | 1 | | |
| ◎ WEA | R META | LS | | |
| | | | | |
| lron | ppm | 15 | | |
| Copper | ppm | 18 | | |
| Lead | ppm | 2 | | |
| Tin | ppm | 2 | | |
| Aluminum | ppm | 2 | | |
| Chromium | ppm | ○ <1 | | |
| Molybdenum | ppm | 2 | | |
| Vickel | ppm | 0 <1 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 0 | | |
| Manganese | ppm | 0 <1 | | |
| Vanadium | ppm | 0 | | |
| | ITIVES | | | |
| Calcium | ppm | 1879 | | |
| Magnesium | ppm | 27 | | |
| Zinc | ppm | 920 | | |
| Phosphorus | ppm | ○ 797 | | |
| Barium | ppm | 23 | | |
| Danum | PPIII | 20 | | |

LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE BURLINGTON, ON

CA L7L 5Z8

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Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Metal levels are typical for a new component breaking in. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: REMAN
Unique No: 5746446
Signed: Wes Davis
Report Date: 13 Mar 2024

ppm

28

Boron

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GRAPHS

