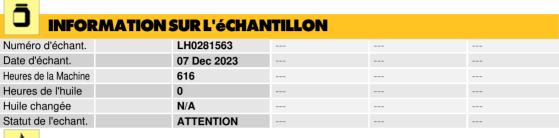
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 151293-1216 - Diesel Engine

Sample No: LH0281563
Oil Type: NOT GIVEN



| ÉTAT | D'HUILE | | | |
|----------------|---------|------|------|--|
| Visc 100°C | cSt | 11.8 | | |
| Oxydation (PA) | % | 226 | | |
| | | | | |

| CONTAMINATION | | | | | |
|------------------|-----|------------|--|--|--|
| Eau | % | | | | |
| | | NEG | | | |
| % de suie | % | 0 | | | |
| Nitration (PA) | % | 107 | | | |
| Sulfatation (PA) | % | 116 | | | |
| Glycol | % | NEG | | | |
| Essence | % | 1.4 | | | |
| Silicium | ppm | 9 | | | |
| Sodium | ppm | 3 | | | |
| Potassium | ppm | 3 | | | |

| W Mét | 'AUX D'U | SURE | | |
|--------------|----------|-------------|------|--|
| Fer | ppm | 12 | | |
| Cuivre | ppm | 250 | | |
| Plomb | ppm | 9 | | |
| Étain | ppm | 1 | | |
| Aluminium | ppm | 4 | | |
| Chrome | ppm | 2 | | |
| Molybdène | ppm | 47 | | |
| Nickel | ppm | ○ <1 | | |
| Titane | ppm | 0 | | |
| Argent | ppm | 0 | | |
| Manganèse | ppm | <1 | | |
| Vanadium | ppm | 0 | | |

| ADDITIFS | | | | | | |
|-----------|-----|-------------|--|--|--|--|
| Calcium | ppm | 1365 | | | | |
| Magnésium | ppm | 924 | | | | |
| Zinc | ppm | 831 | | | | |
| Phosphore | ppm | 666 | | | | |
| Baryum | ppm | 31 | | | | |
| Bore | ppm | 79 | | | | |
| | | | | | | |



1625066 ONTARIO LTD. 870 MACKAY RD PICKERING, ON CA L1W 2Y4 Contact: Service Manager

T: F:

Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.Copper ppm levels are noted. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

 Depot:
 162PIC

 Unique No:
 5694888

 Signed:
 Kevin Marson

 Report Date:
 11 Dec 2023

Submitted By: ?

LIEBHERR





GRAPHS

