

# LIEBHERR LH30 117545 - Diesel Engine

LH0270585

19 Jul 2023 12412

Changed NORMAL

0 12.3

74

0

Sample No: LH0270585

**Oil Type: DIESEL ENGINE OIL SAE 30** 

# **SAMPLE INFORMATION**

| Sample Number |  |
|---------------|--|
| Sample Date   |  |
| Machine Hours |  |
| Oil Hours     |  |
| Oil Changed   |  |
| Sample Status |  |

|     | OIL CO | NDITION |
|-----|--------|---------|
| c @ | 100°C  | cSt     |

%

#### Visc Oxidation (PA)

| _ |  |
|---|--|
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |

|                | TAMIN/ | ATION       |      |  |
|----------------|--------|-------------|------|--|
| Soot %         | %      | 0           | <br> |  |
| Nitration (PA) | %      | 76          | <br> |  |
| Sulfation (PA) | %      | 57          | <br> |  |
| Glycol         | %      | NEG         | <br> |  |
| Fuel           | %      | <1.0        | <br> |  |
| Silicon        | ppm    | 07          | <br> |  |
| Sodium         | ppm    | 02          | <br> |  |
| Potassium      | ppm    | <b>○</b> <1 | <br> |  |

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### **WEAR METALS**

| Iron       | ppm | <b>3</b>          | <br> |  |
|------------|-----|-------------------|------|--|
| Copper     | ppm | 02                | <br> |  |
| Lead       | ppm | 01                | <br> |  |
| Tin        | ppm | <mark>○</mark> <1 | <br> |  |
| Aluminum   | ppm | <b>○</b> <1       | <br> |  |
| Chromium   | ppm | <mark>○</mark> <1 | <br> |  |
| Molybdenum | ppm | <b>60</b>         | <br> |  |
| Nickel     | ppm | 0                 | <br> |  |
| Titanium   | ppm | 0                 | <br> |  |
| Silver     | ppm | 0 (               | <br> |  |
| Manganese  | ppm | <b>○</b> <1       | <br> |  |
| Vanadium   | ppm | 0                 | <br> |  |

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|            | DITIVES |        |      |  |
|------------|---------|--------|------|--|
| Calcium    | ppm     | 0 1084 | <br> |  |
| Magnesium  | ppm     | 0 1028 | <br> |  |
| Zinc       | ppm     | 0 1229 | <br> |  |
| Phosphorus | ppm     | 0 1097 | <br> |  |
| Barium     | ppm     | 0      | <br> |  |
| Boron      | ppm     | 02     | <br> |  |





#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Gillis joseph.gillis@liebherr.com T: F: (905)319-6622

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. 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.

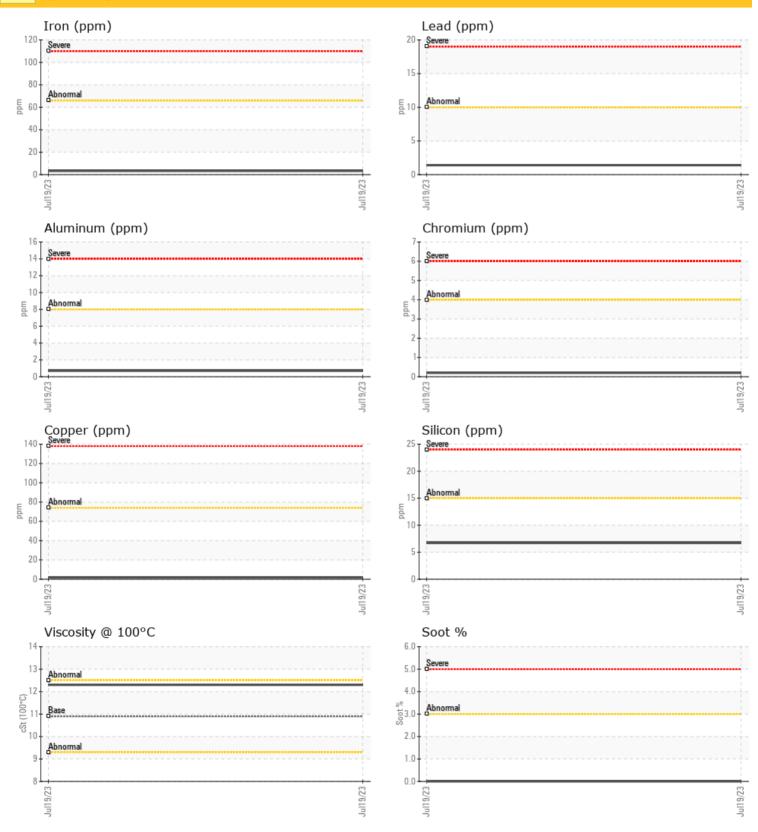
Depot: LIEMIS Unique No: 5616219 Signed: Wes Davis **Report Date:** 20 Jul 2023





GRAPHS

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Report Id: LIEMIS [WCAMIS] 02571168 (Generated: 07/20/2023 14:32:14) Rev: 1

Contact/Location: Joseph Gillis - LIEMIS