

141510-1216 LIEBHERR LH50M 141510-1216 - Diesel Engine

Sample No: DJJ0021681

Oil Type: DIESEL ENGINE OIL SAE 5W30

SAMPLE INFORMATION

| Sample Number | DJJ0021681 | DJJ0017978 | |
|---------------|-------------|-------------|------|
| Sample Date | 07 Dec 2023 | 09 Mar 2023 | |
| Machine Hours | 3025 | 1432 | |
| Oil Hours | 0 | 0 | |
| Oil Changed | Changed | Changed | |
| Sample Status | NORMAL | NORMAL | |
| | | | |

OIL CONDITION Visc @ 100°C cSt 0 11.3

| Base Number (BN) | mg KOH/g | 6.2 | ○ 7.5 | |
|------------------|----------|------------|-------|------|
| Oxidation (PA) | % | 104 | 101 | |
| 11 A | | | | |

 \bigcirc 11.3

| Water | % | NEG | NEG | | |
|----------------|-----|-------------|------|--|--|
| Soot % | % | 0.1 | 0.1 | | |
| Nitration (PA) | % | 93 | 89 | | |
| Sulfation (PA) | % | 61 | 61 | | |
| Glycol | % | NEG | NEG | | |
| Fuel | % | <1.0 | <1.0 | | |
| Silicon | ppm | 07 | 6 | | |
| Sodium | ppm | 0 | ○ <1 | | |
| Potassium | ppm | ○ <1 | 0 | | |

\bigcirc WEAR METALS Iron ppm 05 $\bigcirc 5$ Copper 05 ppm \bigcirc 22 Lead ◯ <1 $\bigcirc 0$ ppm Tin 0 ppm $\bigcirc 0$ Aluminum ○ <1 02 ppm Chromium ○ <1 $\bigcirc 0$ ppm Molybdenum 0 43 0 41 ppm Nickel 0 $\bigcirc 0$ ppm Titanium 0 🔘 $\bigcirc 0$ ppm Silver 0 0 ppm Manganese ppm 0 ○ <1 Vanadium

| ADDITIVES | | | | | |
|------------|-----|------------|--------|--|--|
| Calcium | ppm | 0 1318 | 0 1303 | | |
| Magnesium | ppm | 931 | 0 869 | | |
| Zinc | ppm | 0 850 | 841 | | |
| Phosphorus | ppm | 689 | 0 615 | | |
| Barium | ppm | 0 | 0 | | |
| Boron | ppm | 52 | ○ 72 | | |

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RIVER METALS RECYCLING - LOUISVILLE PO BOX 6521 LOUISVILLE, KY US 40206 Contact: RYAN BOWDEN

T: F: (502)587-8699

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: RIVLOU Unique No: 10782986 Signed: Don Baldridge **Report Date:** 15 Dec 2023

Report Id: RIVLOU [WUSCAR] 06033195 (Generated: 03/07/2024 13:35:50) Rev: 1

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ppm

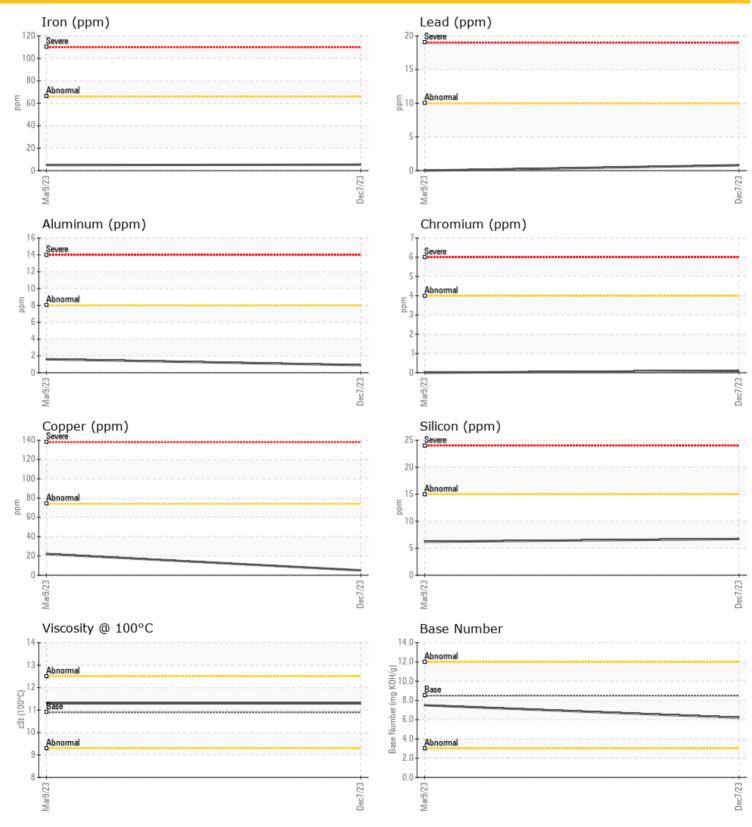
Contact/Location: RYAN BOWDEN - RIVLOU





GRAPHS

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