LIEBHERR





Sample No: LH0272559
Oil Type: LIEBHERR

| Sample Number | | | | | | | |
|--|--------------------|----------------|-------------|--|--|--|--|
| Sample Date 21 Oct 2023 Machine Hours 464 Oil Hours 464 Oil Changed Not Changd Sample Status NORMAL CONTAMINATION Sidicon ppm 0 1 Sodium ppm 0 0 VEAR METALS Iron ppm 0 1 Potassium ppm 0 24 Copper ppm 0 1 Iron ppm 0 24 Lead ppm 0 0 Aluminum ppm 0 0 Chromium ppm 0 | SAMPLE INFORMATION | | | | | | |
| Sample Date 21 Oct 2023 Machine Hours 464 Oil Hours 464 Oil Changed Not Changd Sample Status NORMAL CONTAMINATION Sidicon ppm 0 1 Sodium ppm 0 0 VEAR METALS Iron ppm 0 1 Potassium ppm 0 24 Copper ppm 0 1 Iron ppm 0 24 Lead ppm 0 0 Aluminum ppm 0 0 Chromium ppm 0 | Sample Number | | LH0272559 | | | | |
| Machine Hours 464 | | | | | | | |
| Oil Hours 464 | | | | | | | |
| Oil Changed Sample Status Not Changed NORMAL | | | 464 | | | | |
| Sample Status NORMAL OIL CONDITION Visc @ 40°C CSt © 207 CONTAMINATION Silicon ppm © 4 Sodium ppm © 0 Sodium ppm © 0 Potassium ppm © 0 Potassium ppm © 1 Very area METALS Iron ppm © 24 WEAR METALS Iron 24 WEAR METALS Iron ppm 0 Copper ppm 0 Iron ppm 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| OIL CONDITION Visc @ 40 °C | _ | | | | | | |
| Visc @ 40°C CSt ● 207 | | | | | | | |
| Visc @ 40°C CSt ● 207 | OILC | ONDITION | J | | | | |
| CONTAMINATION | | | | | | | |
| Silicon | VISC @ 40°C | CSI | 201 | | | | |
| Silicon | | | | | | | |
| Sodium ppm 0 </td <td>CON.</td> <td>TAMINAT</td> <td>ION</td> <td></td> <td></td> <td></td> | CON. | TAMINAT | ION | | | | |
| Potassium ppm 0 0 | Silicon | ppm | 0 <1 | | | | |
| WEAR METALS | Sodium | ppm | 0 | | | | |
| Iron | Potassium | ppm | 0 | | | | |
| Iron | | | | | | | |
| Iron | WEA | D METAIC | | | | | |
| Copper ppm ○ <1 | | | | | | | |
| Lead ppm ○ 0 Tin ppm ○ 0 Aluminum ppm ○ 0 Chromium ppm ○ 0 Molybdenum ppm ○ 0 Nickel ppm ○ 0 Silver ppm ○ 0 Manganese ppm ○ 1 Vanadium ppm ○ 0 ADDITIVES Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 - | | | | | | | |
| Tin ppm 0 | | | _ | | | | |
| Aluminum ppm 0 0 | | | | | | | |
| Chromium ppm ○ 0 Molybdenum ppm 0 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | | | _ | | | | |
| Molybdenum ppm 0 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 ADDITIVES Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | | | | | | | |
| Nickel ppm ○ 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | | | - | | | | |
| Titanium ppm 0 Silver ppm 0 Manganese ppm Vanadium ppm 0 Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | - | | - | | | | |
| Silver ppm 0 <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> | | | • | | | | |
| Manganese ppm <1 | | | - | | | | |
| Vanadium ppm 0 < | | | | | | | |
| ADDITIVES Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | _ | | | | | | |
| Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | | ppm | 0 | | | | |
| Calcium ppm 53 Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | 0 | | <u></u> | | | | |
| Magnesium ppm 0 Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | ADDITIVES | | | | | | |
| Zinc ppm 57 Phosphorus ppm 319 Barium ppm 2 | Calcium | ppm | 53 | | | | |
| Phosphorus ppm 319 Barium ppm 2 | Magnesium | ppm | 0 | | | | |
| Barium ppm 2 | Zinc | ppm | 57 | | | | |
| | Phosphorus | ppm | 319 | | | | |
| Boron ppm 13 | Barium | ppm | 2 | | | | |
| | Boron | ppm | 13 | | | | |



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US 43081

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F:

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.

Depot: OBAWES
Unique No: 10725903
Signed: Don Baldridge
Report Date: 05 Nov 2023

Report Id: OBAWES [WUSCAR] 05997543 (Generated: 11/05/2023 11:12:22) Rev: 1

CONSTRUCTION EQUIPMENT





GRAPHS

