

LIEBHERR

CONSTRUCTION EQUIPMENT



[DNA] LIEBHERR R934CT-Rex (S/N 20279) - Right Final Drive

Sample No: LH0178226

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0178226 | LH0224517 | --- | --- |
| Sample Date | 14 Nov 2023 | 15 Sep 2022 | --- | --- |
| Machine Hours | 10334 | 9870 | --- | --- |
| Oil Hours | 1000 | 1000 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 133 | ● 135 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Silicon | ppm | ● 20 | ● 6 | --- | --- |
| Sodium | ppm | ● 7 | ● 6 | --- | --- |
| Potassium | ppm | ● 5 | ● <1 | --- | --- |

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.



WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | ● 72 | ● 46 | --- | --- |
| Copper | ppm | ● 7 | ● 6 | --- | --- |
| Lead | ppm | ● 2 | ● 4 | --- | --- |
| Tin | ppm | ● <1 | ● <1 | --- | --- |
| Aluminum | ppm | ● <1 | ● <1 | --- | --- |
| Chromium | ppm | ● 2 | ● 3 | --- | --- |
| Molybdenum | ppm | ● 0 | ● <1 | --- | --- |
| Nickel | ppm | ● <1 | ● <1 | --- | --- |
| Titanium | ppm | ● 0 | ● 0 | --- | --- |
| Silver | ppm | ● <1 | ● 0 | --- | --- |
| Manganese | ppm | ● 2 | ● 1 | --- | --- |
| Vanadium | ppm | ● 0 | ● 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Calcium | ppm | ● 14 | ● 18 | --- | --- |
| Magnesium | ppm | ● 4 | ● 5 | --- | --- |
| Zinc | ppm | ● 24 | ● 19 | --- | --- |
| Phosphorus | ppm | ● 554 | ● 623 | --- | --- |
| Barium | ppm | ● <1 | ● 0 | --- | --- |
| Boron | ppm | ● 11 | ● 12 | --- | --- |

Depot: DOMBUR
Unique No: 5682264
Signed: Wes Davis
Report Date: 17 Nov 2023



GRAPHS

