

LIEBHERR

CONSTRUCTION EQUIPMENT



141510-1216 LIEBHERR LH50M 141510-1216 - Splitter Box

Sample No: DJJ0021682

Oil Type: GEAR OIL SAE 80W90



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

T:
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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.



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | DJJ0021682 | DJJ0018000 | --- | --- |
| 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 @ 40°C | cSt | 109 | 129 | --- | --- |
|-------------|-----|-----|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 0 | 1 | --- | --- |
| Sodium | ppm | 0 | 0 | --- | --- |
| Potassium | ppm | 1 | 3 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|----|----|-----|-----|
| Iron | ppm | 8 | 32 | --- | --- |
| Copper | ppm | 0 | <1 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 1 | 1 | --- | --- |
| Chromium | ppm | 0 | 0 | --- | --- |
| Molybdenum | ppm | <1 | 2 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 37 | 27 | --- | --- |
| Magnesium | ppm | 2 | 4 | --- | --- |
| Zinc | ppm | 10 | 17 | --- | --- |
| Phosphorus | ppm | 303 | 710 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 1 | 1 | --- | --- |

Depot: RIVLOU
 Unique No: 10789051
 Signed: Don Baldrige
 Report Date: 17 Dec 2023



GRAPHS

