

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-121539 - Front Differential

Sample No: LH0213356

Oil Type: NOT GIVEN



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0213356 | LH0213328 | --- | --- |
| Sample Date | 21 Aug 2023 | 08 Sep 2022 | --- | --- |
| Machine Hours | 3000 | 1000 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | N/A | --- | --- |
| Sample Status | NORMAL | ABNORMAL | --- | --- |

KEYSTONE RAIL RECOVERY

70 MARYLAND AVE

JERSEY SHORE, NJ

US 17740

Contact: Service Manager



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 143 | ● 160 | --- | --- |
|-------------|-----|-------|-------|-----|-----|

T:

F:



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ● 4 | ● 3 | --- | --- |
| Sodium | ppm | ● 0 | ● 3 | --- | --- |
| Potassium | ppm | ● <1 | ● 0 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 | ● 5 | ● 12 | --- | --- |
| Copper | ppm | ● 1 | ● 2 | --- | --- |
| Lead | ppm | ● 0 | ● 0 | --- | --- |
| Tin | ppm | ● 0 | ● 0 | --- | --- |
| Aluminum | ppm | ● 0 | ● 3 | --- | --- |
| Chromium | ppm | ● <1 | ● <1 | --- | --- |
| Molybdenum | ppm | <1 | 0 | --- | --- |
| Nickel | ppm | ● 0 | ● 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | 3 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 844 | 421 | --- | --- |
| Magnesium | ppm | 1 | 2 | --- | --- |
| Zinc | ppm | 311 | 176 | --- | --- |
| Phosphorus | ppm | 1187 | 2125 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 243 | 1 | --- | --- |

Depot: KEYJER

Unique No: 10616394

Signed: Don Baldrige

Report Date: 23 Aug 2023



GRAPHS

