

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934B 25494-935 - Diesel Engine

Sample No: LHMC155896

Oil Type: NOT GIVEN



AMERICAN STATE EQUIPMENT CO.
 2400 NORTH 14TH AVENUE
 WAUSAU, WI
 US 54401
 Contact: CHRIS BARTNIK
 cbartnik@amstate.com
 T: (715)675-6900
 F: (715)675-9748



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LHMC155896 | --- | --- | --- |
| Sample Date | 02 Feb 2021 | --- | --- | --- |
| Machine Hours | 36620 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Visc @ 100°C | cSt | 9.8 | --- | --- | --- |
| Oxidation (PA) | % | 70 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | 0.4 | --- | --- | --- |
| Nitration (PA) | % | 50 | --- | --- | --- |
| Sulfation (PA) | % | 64 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | 1.3 | --- | --- | --- |
| Silicon | ppm | 3 | --- | --- | --- |
| Sodium | ppm | 3 | --- | --- | --- |
| Potassium | ppm | 14 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|----|-----|-----|-----|
| Iron | ppm | 17 | --- | --- | --- |
| Copper | ppm | 2 | --- | --- | --- |
| Lead | ppm | 2 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 1 | --- | --- | --- |
| Chromium | ppm | <1 | --- | --- | --- |
| Molybdenum | ppm | 18 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 603 | --- | --- | --- |
| Magnesium | ppm | 297 | --- | --- | --- |
| Zinc | ppm | 403 | --- | --- | --- |
| Phosphorus | ppm | 600 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 8 | --- | --- | --- |

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. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 9364645
 Signed: Jonathan Hester
 Report Date: 11 Feb 2021



GRAPHS

