

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR736 26648 - Diesel Engine

Sample No: LH0225142

Oil Type: LIEBHERR MOTOROIL 5W30



LIEBHERR CANADA LTD.
 10374 267 ST.
 ACHESON, AB
 CA T7X 6A2
 Contact: Dustin Fluet
 dustin.fluet@liebherr.com
 T: (780)962-6088
 F: (780)962-6799



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0225142 | --- | --- | --- |
| Sample Date | 11 Jan 2024 | --- | --- | --- |
| Machine Hours | 361 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|----------------------|-------|------|-----|-----|-----|
| Visc @ 40°C | cSt | 72.4 | --- | --- | --- |
| Visc @ 100°C | cSt | 12.0 | --- | --- | --- |
| Viscosity Index (VI) | Scale | 162 | --- | --- | --- |
| Oxidation (PA) | % | 184 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | 0 | --- | --- | --- |
| Nitration (PA) | % | 92 | --- | --- | --- |
| Sulfation (PA) | % | 104 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | 9 | --- | --- | --- |
| Sodium | ppm | 4 | --- | --- | --- |
| Potassium | ppm | 11 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 13 | --- | --- | --- |
| Copper | ppm | 171 | --- | --- | --- |
| Lead | ppm | 6 | --- | --- | --- |
| Tin | ppm | 1 | --- | --- | --- |
| Aluminum | ppm | 4 | --- | --- | --- |
| Chromium | ppm | 2 | --- | --- | --- |
| Molybdenum | ppm | 37 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1451 | --- | --- | --- |
| Magnesium | ppm | 744 | --- | --- | --- |
| Zinc | ppm | 878 | --- | --- | --- |
| Phosphorus | ppm | 766 | --- | --- | --- |
| Barium | ppm | 17 | --- | --- | --- |
| Boron | ppm | 101 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIESPR
 Unique No: 5710934
 Signed: Kevin Marson
 Report Date: 19 Jan 2024



GRAPHS

