

LIEBHERR

CONSTRUCTION EQUIPMENT



[(370851)] LIEBHERR LH50M 136353-1216 - Rear Differential

Sample No: LH0228154

Oil Type: IRVING HDH SAE 75W90



SAMPLE INFORMATION

| Sample Number | LH0228154 | LH0228130 | LH0228142 | LH0215263 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 17 Oct 2023 | 18 May 2023 | 20 Nov 2022 | 13 Sep 2022 |
| Machine Hours | 5927 | 4491 | 2575 | 1884 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| Visc @ 40°C | cSt | 94.7 | 89.8 | 95.8 | 96.0 |
|-------------|-----|------|------|------|------|
| | | | | | |



CONTAMINATION

| Element | ppm | 3 | 6 | 5 | 5 |
|-----------|-----|----|----|----|----|
| Silicon | ppm | 3 | 6 | 5 | 5 |
| Sodium | ppm | <1 | <1 | 1 | 2 |
| Potassium | ppm | <1 | 1 | <1 | <1 |



WEAR METALS

| Element | ppm | 23 | 32 | 34 | 49 |
|------------|-----|----|----|----|----|
| Iron | ppm | 23 | 32 | 34 | 49 |
| Copper | ppm | 9 | 11 | 13 | 26 |
| Lead | ppm | <1 | 0 | <1 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 1 | 2 | 1 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| Element | ppm | 21 | 14 | 14 | 44 |
|------------|-----|------|------|------|------|
| Calcium | ppm | 21 | 14 | 14 | 44 |
| Magnesium | ppm | 0 | <1 | 0 | <1 |
| Zinc | ppm | 15 | 15 | 15 | 30 |
| Phosphorus | ppm | 1038 | 1087 | 1134 | 1071 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 157 | 142 | 153 | 114 |

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: BECLAT
Unique No: 5659183
Signed: Wes Davis
Report Date: 18 Oct 2023



GRAPHS

