

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 048547-1464 - Front Differential

Sample No: LH0281486

Oil Type: GEAR OIL SAE 80W90



INFORMATION SUR L'ÉCHANTILLON

| Numéro d'échant. | LH0281486 | LH0247276 | LH0239248 | LH |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant. | 07 Dec 2023 | 16 Feb 2023 | 15 Sep 2022 | 18 Mar 2022 |
| Heures de la Machine | 9037 | 7024 | 5991 | 4762 |
| Heures de l'huile | 0 | 0 | 0 | 0 |
| Huile changée | Changed | Changed | Changed | Changed |
| Statut de l'échant. | NORMAL | NORMAL | NORMAL | ABNORMAL |

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ÉTAT D'HUILE

| Visc 40°C | cSt | 94.2 | 88.6 | 92.1 | 86.6 |
|-----------|-----|------|------|------|------|
| | | | | | |



CONTAMINATION

| Eau | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicium | ppm | 2 | 2 | 3 | 9 |
| Sodium | ppm | 3 | <1 | 1 | 7 |
| Potassium | ppm | 1 | 0 | <1 | 1 |



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|----|----|----|-----|
| Fer | ppm | 36 | 42 | 52 | 196 |
| Cuivre | ppm | 11 | 12 | 20 | 41 |
| Plomb | ppm | <1 | <1 | <1 | 2 |
| Étain | ppm | <1 | <1 | <1 | 3 |
| Aluminium | ppm | <1 | <1 | 0 | 1 |
| Chrome | ppm | 0 | <1 | <1 | 2 |
| Molybdène | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | <1 | 0 | <1 | 1 |
| Titane | ppm | 0 | 0 | 0 | 0 |
| Argent | ppm | <1 | 0 | 0 | 0 |
| Manganèse | ppm | <1 | 1 | 3 | 30 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIFS

| | | | | | |
|-----------|-----|------|------|------|------|
| Calcium | ppm | 9 | 10 | 20 | 10 |
| Magnésium | ppm | <1 | 3 | 2 | 2 |
| Zinc | ppm | 14 | 19 | 31 | 80 |
| Phosphore | ppm | 2399 | 2747 | 2952 | 3597 |
| Baryum | ppm | <1 | 0 | 0 | 0 |
| Bore | ppm | 306 | 305 | 298 | 276 |

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: SUMAYR
Unique No: 5695018
Signed: Kevin Marson
Report Date: 11 Dec 2023



GRAPHS

