



LIEBHERR LH30M 153712-1253 - Front Left Wheel Hub

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



Innovation Industrielle Boivin Inc.
2205 de la Fonderie
Chicoutimi, QC
CA G7H 8B9
Contact: Service Manager

T:
F:



Information sur l'échantillon

| | | | | |
|----------------------|-------------|-------------|-----|-----|
| Numéro d'échant. | LH | LH | --- | --- |
| Date d'échant. | 30 Apr 2024 | 14 Dec 2023 | --- | --- |
| Heures de la Machine | 1001 | 500 | --- | --- |
| Heures de l'huile | 0 | 0 | --- | --- |
| Huile changée | Changed | Changed | --- | --- |
| Statut de l'échant. | ABNORMAL | ABNORMAL | --- | --- |



État d'huile

| | | | | | |
|-----------|-----|-----|------|-----|-----|
| Visc 40°C | cSt | 135 | 64.6 | --- | --- |
|-----------|-----|-----|------|-----|-----|



Contamination

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Eau | % | NEG | NEG | --- | --- |
| Silicium | ppm | 7 | 4 | --- | --- |
| Sodium | ppm | 9 | 17 | --- | --- |
| Potassium | ppm | 10 | 0 | --- | --- |



Métaux d'usure

| | | | | | |
|-----------|-----|----|----|-----|-----|
| Fer | ppm | 59 | 42 | --- | --- |
| Cuivre | ppm | 5 | 9 | --- | --- |
| Plomb | ppm | 0 | <1 | --- | --- |
| Étain | ppm | 0 | 0 | --- | --- |
| Aluminium | ppm | <1 | <1 | --- | --- |
| Chrome | ppm | <1 | <1 | --- | --- |
| Molybdène | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titane | ppm | 0 | 0 | --- | --- |
| Argent | ppm | 0 | <1 | --- | --- |
| Manganèse | ppm | 1 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



Additifs

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Calcium | ppm | 917 | 3577 | --- | --- |
| Magnésium | ppm | 4 | 9 | --- | --- |
| Zinc | ppm | 395 | 1432 | --- | --- |
| Phosphore | ppm | 1920 | 1130 | --- | --- |
| Baryum | ppm | <1 | 2 | --- | --- |
| Bore | ppm | 21 | 105 | --- | --- |

Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. 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 90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: INN220CHI
Unique No: 5774401
Signed: Kevin Marson
Report Date: 03 May 2024

Submitted By: Marie-Eve Belley



Graphs

