

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 038365-1170 - Hydraulic System

Sample No: LH

Oil Type: AW HYDRAULIC OIL ISO 46



#### INFORMATION SUR L'ÉCHANTILLON

|                      |             |             |     |     |
|----------------------|-------------|-------------|-----|-----|
| Numéro d'échant.     | LH          | LH0137236   | --- | --- |
| Date d'échant.       | 16 Oct 2023 | 30 Jan 2019 | --- | --- |
| Heures de la Machine | 11141       | 10625       | --- | --- |
| Heures de l'huile    | 0           | 0           | --- | --- |
| Huile changée        | Not Chngd   | Not Chngd   | --- | --- |
| Statut de l'échant.  | ABNORMAL    | ABNORMAL    | --- | --- |

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#### ÉTAT D'HUILE

|           |     |        |        |     |     |
|-----------|-----|--------|--------|-----|-----|
| Visc 40°C | cSt | ● 40.1 | ● 38.4 | --- | --- |
|-----------|-----|--------|--------|-----|-----|



#### CONTAMINATION

| Eau               | %   | NEG      | NEG      | --- | --- |
|-------------------|-----|----------|----------|-----|-----|
| Particules >4µ    |     | ● 106427 | ● 51547  | --- | --- |
| Particules >6µ    |     | ● 11458  | ● 1086   | --- | --- |
| Particules >14µ   |     | ● 179    | ● 34     | --- | --- |
| ISO 4406:1999 (c) |     | 24/21/15 | 23/17/12 | --- | --- |
| Silicium          | ppm | ● 2      | ● 2      | --- | --- |
| Sodium            | ppm | ● 4      | ● 5      | --- | --- |
| Potassium         | ppm | ● <1     | ● <1     | --- | --- |



#### MÉTAUX D'USURE

|           |     |      |      |     |     |
|-----------|-----|------|------|-----|-----|
| PQ        |     | ● 0  | ---  | --- | --- |
| Fer       | ppm | ● 20 | ● 14 | --- | --- |
| Cuivre    | ppm | ● 3  | ● 1  | --- | --- |
| Plomb     | ppm | ● 1  | ● <1 | --- | --- |
| Étain     | ppm | ● 0  | ● 0  | --- | --- |
| Aluminium | ppm | ● <1 | ● <1 | --- | --- |
| Chrome    | ppm | ● 2  | ● 2  | --- | --- |
| Molybdène | ppm | ● <1 | ● <1 | --- | --- |
| Nickel    | ppm | ● <1 | 0    | --- | --- |
| Titane    | ppm | 0    | 0    | --- | --- |
| Argent    | ppm | <1   | 0    | --- | --- |
| Manganèse | ppm | ● 0  | <1   | --- | --- |
| Vanadium  | ppm | 0    | 0    | --- | --- |



#### ADDITIFS

|           |     |       |       |     |     |
|-----------|-----|-------|-------|-----|-----|
| Calcium   | ppm | ● 145 | ● 129 | --- | --- |
| Magnésium | ppm | ● 21  | ● 1   | --- | --- |
| Zinc      | ppm | ● 488 | ● 520 | --- | --- |
| Phosphore | ppm | ● 391 | ● 385 | --- | --- |
| Baryum    | ppm | ● <1  | ● 0   | --- | --- |
| Bore      | ppm | ● 3   | ● <1  | --- | --- |

#### Diagnostic

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. Iron ppm levels are marginal. All other component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: LIEMIS

Unique No: 5658734

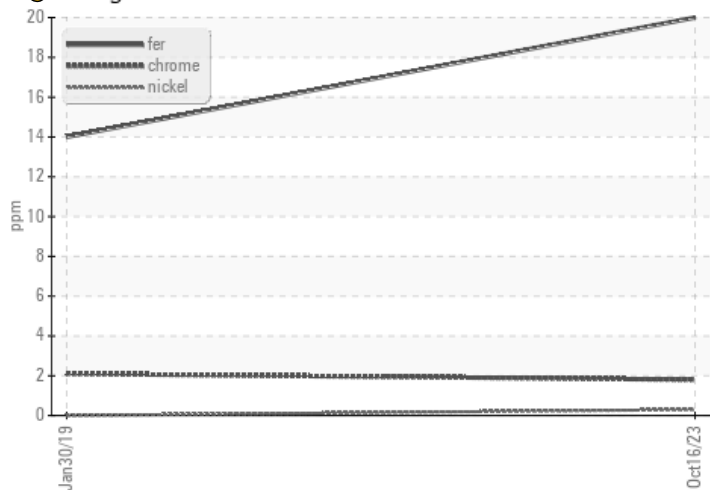
Signed: Kevin Marson

Report Date: 18 Oct 2023

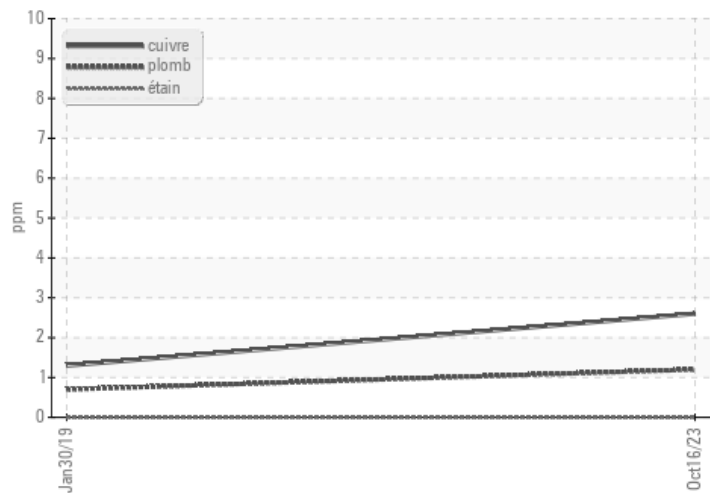


### GRAPHS

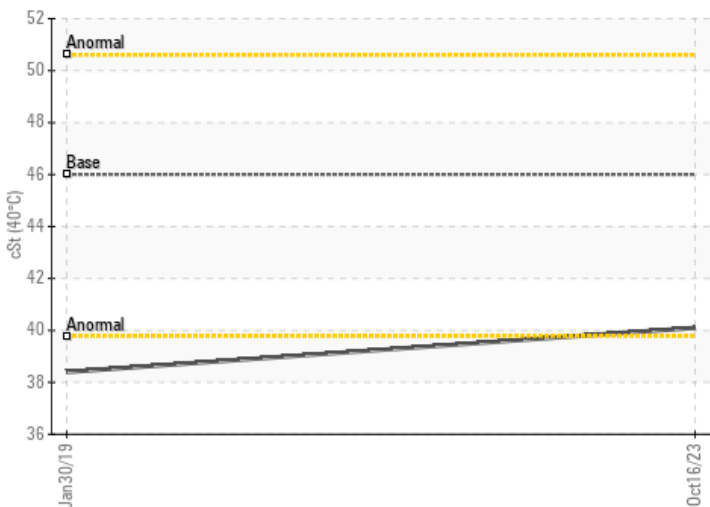
● Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



● Comptage de particules

