

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 141098-1217 - Hydraulic System

Sample No: LH0284997

Oil Type: {unknown}



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INFORMATION SUR L'ÉCHANTILLON

| Numéro d'échant. | LH0284997 | LH0277799 | LH0261813 | LH0251567 |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant. | 22 Feb 2024 | 04 Dec 2023 | 26 May 2023 | 24 Feb 2023 |
| Heures de la Machine | 2811 | 0 | 1399 | 934 |
| Heures de l'huile | 0 | 0 | 0 | 0 |
| Huile changée | Not Changd | N/A | Not Changd | Not Changd |
| Statut de l'échant. | NORMAL | ATTENTION | NORMAL | NORMAL |



ÉTAT D'HUILE

| Visc 40°C | cSt | 42.1 | 42.3 | 43.0 | 43.6 |
|-----------|-----|------|------|------|------|
| | | | | | |



CONTAMINATION

| Eau | % | NEG | NEG | NEG | NEG |
|-------------------|-----|----------|----------|----------|----------|
| Particules >4µ | | 3045 | 20366 | 10113 | 8418 |
| Particules >6µ | | 1027 | 3885 | 2074 | 1644 |
| Particules >14µ | | 92 | 80 | 63 | 64 |
| ISO 4406:1999 (c) | | 19/17/14 | 22/19/13 | 21/18/13 | 20/18/13 |
| Silicium | ppm | 4 | 4 | 3 | 3 |
| Sodium | ppm | 3 | 3 | 2 | 1 |
| Potassium | ppm | 1 | 0 | 0 | <1 |



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|----|----|----|----|
| Fer | ppm | 12 | 11 | 10 | 10 |
| Cuivre | ppm | 6 | 5 | 3 | 2 |
| Plomb | ppm | <1 | 1 | <1 | <1 |
| Étain | ppm | 0 | 0 | 0 | 0 |
| Aluminium | ppm | 1 | <1 | <1 | <1 |
| Chrome | ppm | 2 | <1 | <1 | <1 |
| Molybdène | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titane | ppm | 0 | 0 | 0 | 0 |
| Argent | ppm | 0 | <1 | 0 | 0 |
| Manganèse | ppm | 0 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIFS

| | | | | | |
|-----------|-----|------|------|------|------|
| Calcium | ppm | 1245 | 1198 | 1325 | 1318 |
| Magnésium | ppm | 5 | 4 | 4 | 4 |
| Zinc | ppm | 692 | 697 | 697 | 696 |
| Phosphore | ppm | 618 | 580 | 673 | 673 |
| Baryum | ppm | 0 | <1 | 0 | 0 |
| Bore | ppm | <1 | <1 | <1 | <1 |

Diagnostic

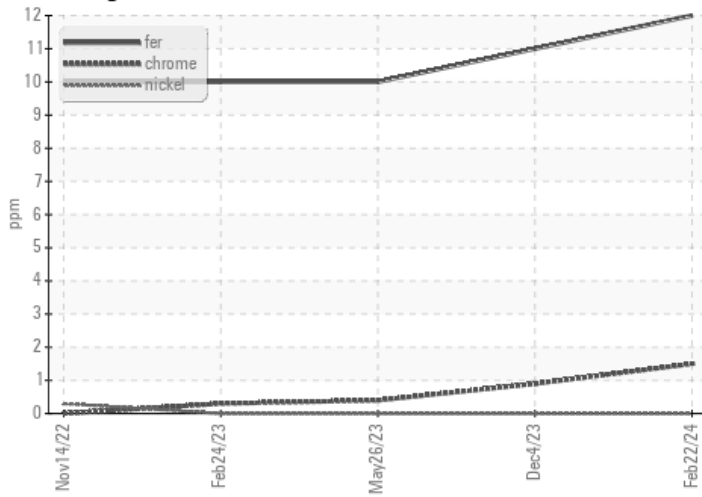
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: JOHLON
Unique No: 5734799
Signed: Wes Davis
Report Date: 26 Feb 2024

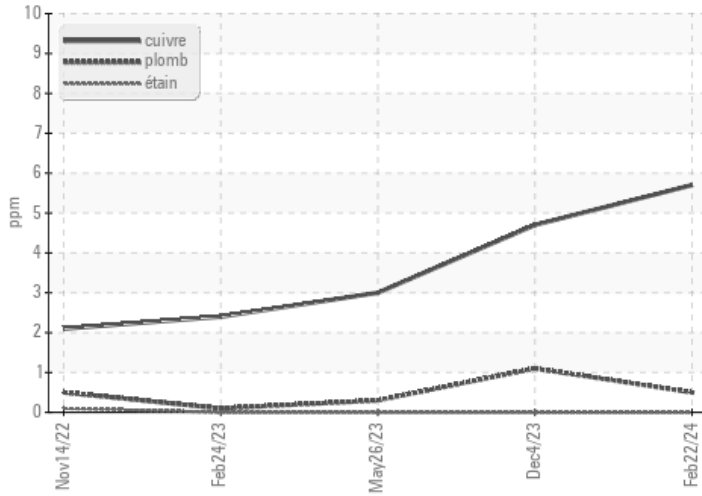


GRAPHS

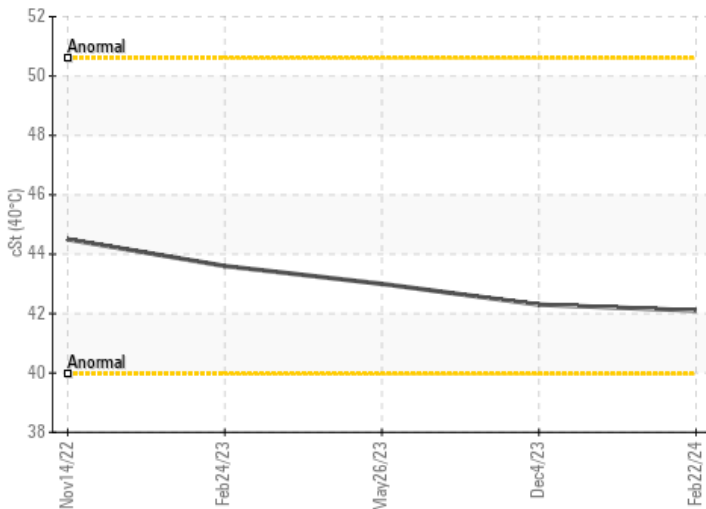
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Comptage de particules

