

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340260)] LIEBHERR LH40C 127925-1527 - Hydraulic System

Sample No: LH0277655

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



INFORMATION SUR L'ÉCHANTILLON

| Numéro d'échant. | LH0277655 | LH0270149 | LH0251574 | LH0251903 |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant. | 07 Dec 2023 | 27 Sep 2023 | 05 Apr 2023 | 12 Jan 2023 |
| Heures de la Machine | 7010 | 6592 | 5459 | 4907 |
| Heures de l'huile | 0 | 0 | 0 | 0 |
| Huile changée | Not Changd | Not Changd | Changed | Not Changd |
| Statut de l'échant. | ABNORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

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ÉTAT D'HUILE

| Visc 40°C | cSt | 40.0 | 40.0 | 40.7 | 41.1 |
|-----------|-----|------|------|------|------|
| | | ● | ● | ● | ● |



CONTAMINATION

| Eau | % | NEG | NEG | NEG | NEG |
|-------------------|-----|----------|----------|----------|----------|
| Particules >4µ | | ● 27798 | ● 5671 | ● 5088 | ● 5833 |
| Particules >6µ | | ● 7837 | ● 1470 | ● 1048 | ● 1594 |
| Particules >14µ | | ● 362 | ● 97 | ● 44 | ● 146 |
| ISO 4406:1999 (c) | | 22/20/16 | 20/18/14 | 20/17/13 | 20/18/14 |
| Silicium | ppm | ● 2 | ● 2 | ● 2 | ● 2 |
| Sodium | ppm | ● 2 | ● 3 | ● 3 | ● 3 |
| Potassium | ppm | ● 0 | ● <1 | ● <1 | ● <1 |



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|------|------|------|------|
| PQ | | ● 7 | ● 3 | ● 3 | ● 1 |
| Fer | ppm | ● 96 | ● 91 | ● 85 | ● 81 |
| Cuivre | ppm | ● 4 | ● 4 | ● 6 | ● 5 |
| Plomb | ppm | ● <1 | ● <1 | ● 1 | ● <1 |
| Étain | ppm | ● 0 | ● 0 | ● <1 | ● 0 |
| Aluminium | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Chrome | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Molybdène | ppm | ● 0 | ● 0 | ● 0 | ● 0 |
| Nickel | ppm | ● <1 | ● <1 | ● 0 | ● <1 |
| Titane | ppm | 0 | 0 | 0 | 0 |
| Argent | ppm | <1 | 0 | 0 | 0 |
| Manganèse | ppm | ● 1 | ● <1 | ● 2 | ● 1 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIFS

| | | | | | |
|-----------|-----|-------|-------|-------|-------|
| Calcium | ppm | ● 771 | 837 | 1291 | 1292 |
| Magnésium | ppm | ● 2 | ● 3 | ● 4 | ● 4 |
| Zinc | ppm | ● 660 | ● 695 | ● 654 | ● 655 |
| Phosphore | ppm | ● 521 | ● 570 | ● 601 | ● 613 |
| Baryum | ppm | ● <1 | ● <1 | ● 0 | ● 0 |
| Bore | ppm | ● <1 | ● <1 | ● <1 | ● <1 |

Diagnostic

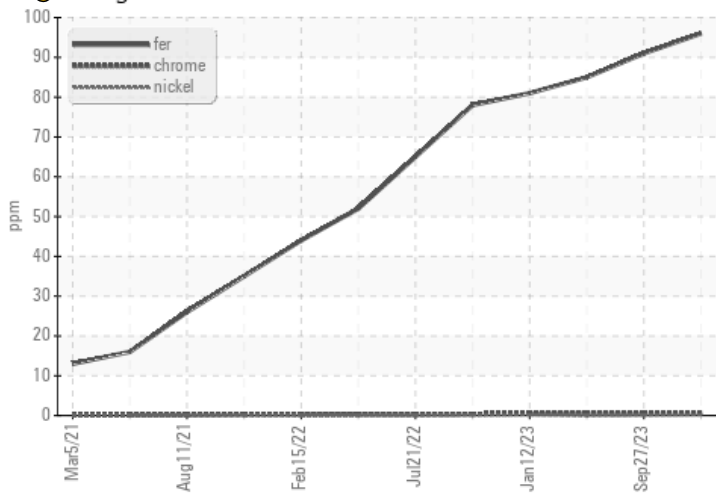
We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CAN353TOR
 Unique No: 5694983
 Signed: Kevin Marson
 Report Date: 11 Dec 2023

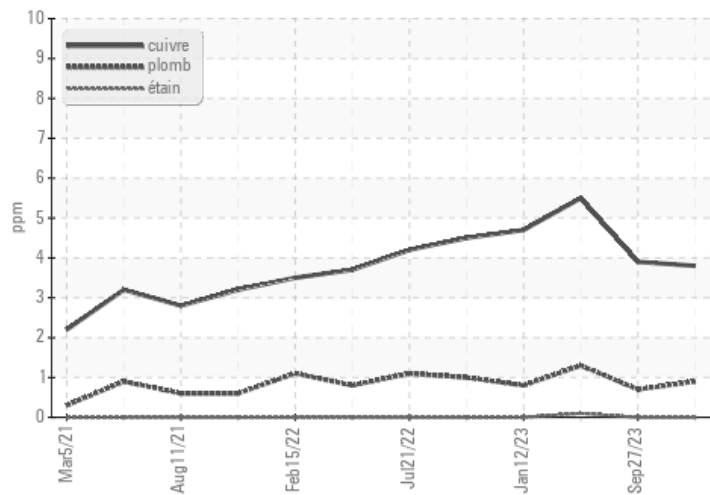


GRAPHS

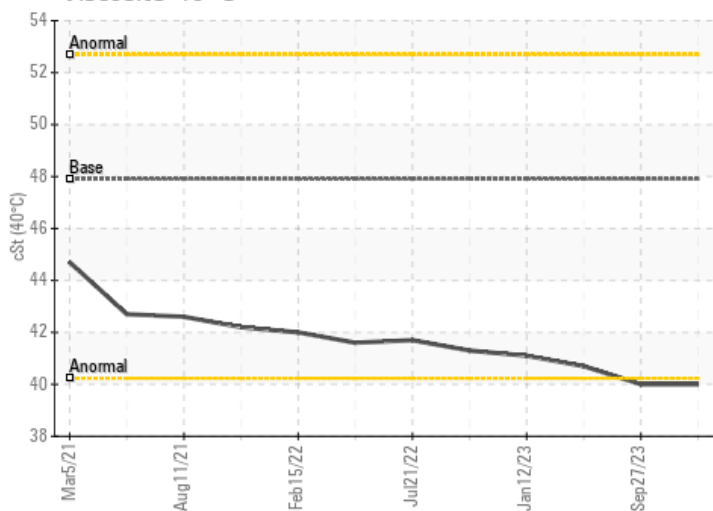
● Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



● Comptage de particules

