

LIEBHERR

CONSTRUCTION EQUIPMENT



[(360377)] LIEBHERR L580 059426-1464 - Hydraulic System

Sample No: LH0237650

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Information sur l'échantillon

| Numéro d'échant. | LH0237650 | LH0237639 | LH0242483 | LH0178333 |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant. | 03 May 2024 | 09 Aug 2023 | 17 Nov 2022 | 18 Aug 2022 |
| Heures de la Machine | 6520 | 5106 | 3593 | 2987 |
| Heures de l'huile | 0 | 0 | 0 | 0 |
| Huile changée | Not Changd | Changed | Not Changd | Not Changd |
| Statut de l'échant. | NORMAL | ABNORMAL | NORMAL | NORMAL |

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État d'huile

| | | | | | |
|------------------|----------|------|------|------|------|
| Visc 40°C | cSt | 44.1 | 42.6 | 43.5 | 43.5 |
| Indice d'acidité | mg KOH/g | 1.15 | 1.02 | --- | --- |



Contamination

| Eau | % | NEG | NEG | NEG | NEG |
|-------------------|-----|----------|----------|----------|----------|
| Particules >4µ | | 3493 | 1142 | 15216 | 12770 |
| Particules >6µ | | 603 | 163 | 2957 | 1222 |
| Particules >14µ | | 27 | 11 | 122 | 24 |
| ISO 4406:1999 (c) | | 19/16/12 | 17/15/11 | 21/19/14 | 21/17/12 |
| Silicium | ppm | <1 | 3 | 3 | 2 |
| Sodium | ppm | 1 | 2 | 2 | 2 |
| Potassium | ppm | 1 | 2 | 2 | 2 |

Diagnostic

Resample at the next service interval to monitor. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Métaux d'usure

| | | | | | |
|-----------|-----|----|----|----|----|
| Fer | ppm | 7 | 11 | 9 | 8 |
| Cuivre | ppm | 3 | 5 | 5 | 3 |
| Plomb | ppm | 6 | 11 | 8 | 9 |
| Étain | ppm | 0 | <1 | <1 | <1 |
| Aluminium | ppm | <1 | 1 | 1 | 1 |
| Chrome | ppm | 1 | 2 | <1 | 1 |
| Molybdène | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | 0 | 0 | <1 | <1 |
| Titane | ppm | 0 | 0 | <1 | <1 |
| Argent | ppm | 0 | 1 | 0 | 0 |
| Manganèse | ppm | 0 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



Additifs

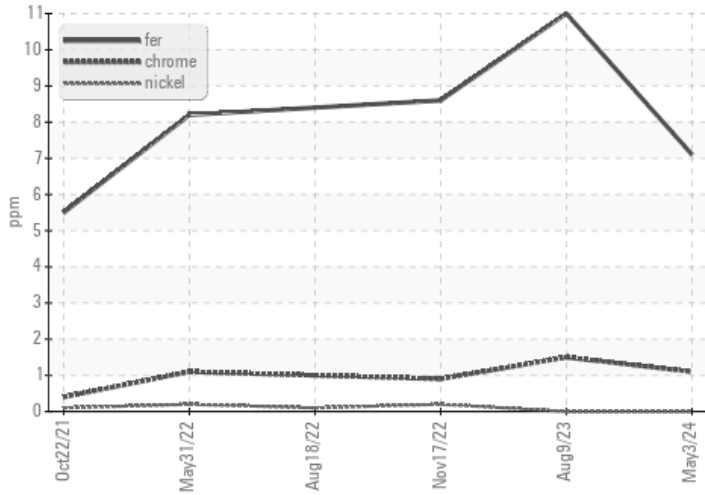
| | | | | | |
|-----------|-----|-----|------|------|------|
| Calcium | ppm | 747 | 1416 | 1382 | 1411 |
| Magnésium | ppm | 4 | 7 | 6 | 6 |
| Zinc | ppm | 753 | 707 | 687 | 679 |
| Phosphore | ppm | 605 | 588 | 643 | 585 |
| Baryum | ppm | 0 | <1 | 0 | 0 |
| Bore | ppm | <1 | <1 | <1 | <1 |

Depot: CLOPEM
 Unique No: 5776845
 Signed: Wes Davis
 Report Date: 16 May 2024

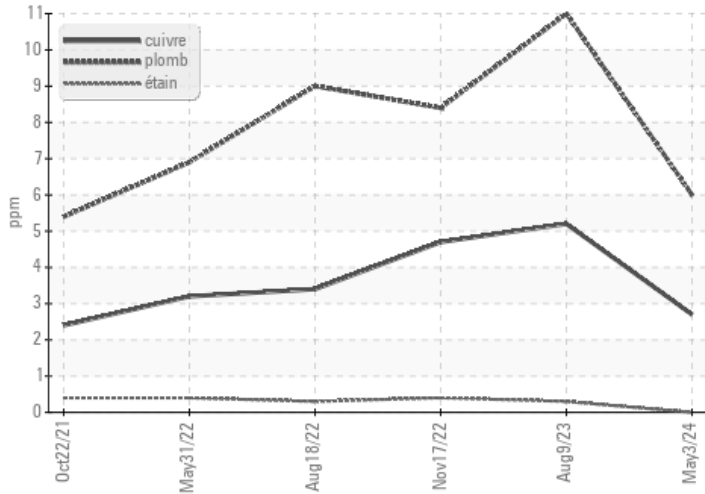


Graphs

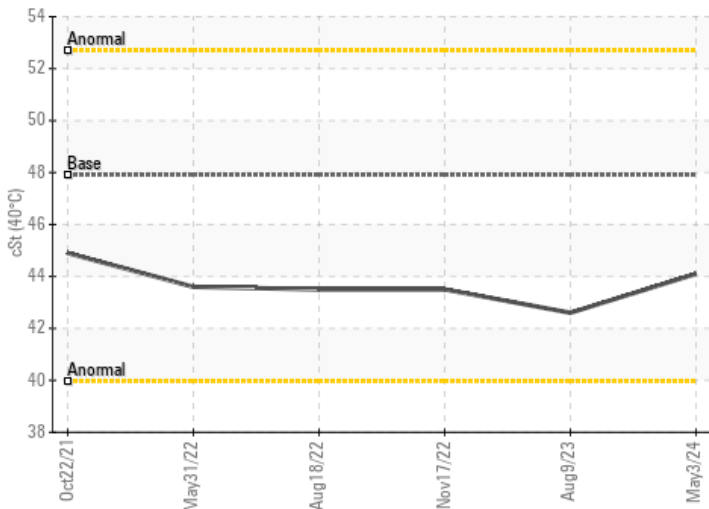
Alliages ferreux



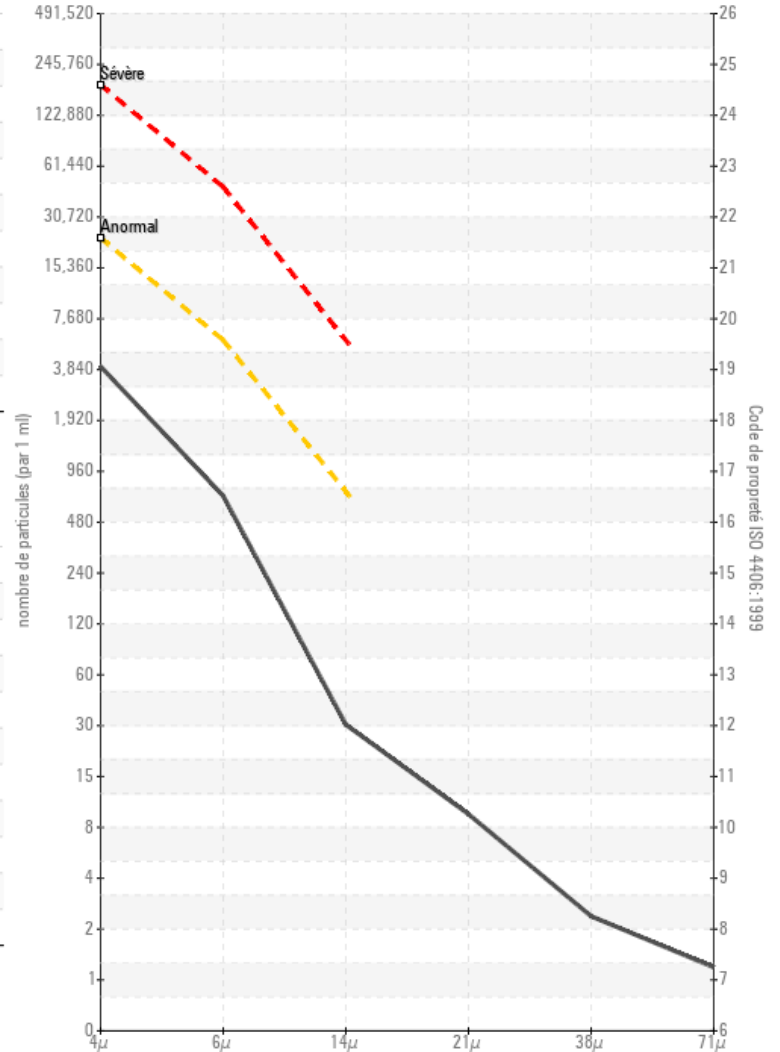
Métaux non-ferreux



Viscosité 40°C



Comptage de particules



Indice d'acidité

