

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 030005-460 - Hydraulic System

Sample No: LH

Oil Type: AW HYDRAULIC OIL ISO 46



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH | LH0225368 | LH0098188 | LH0087365 |
| Sample Date | 28 Aug 2023 | 29 Apr 2022 | 06 Oct 2015 | 12 Jan 2015 |
| Machine Hours | 11540 | 11234 | 4355 | 3530 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | ATTENTION |

TERMINAL MARITIME SOREL TRACY
59 RUE ETIENNE
SAINT- JOSEPH-DE SOREL, QC
CA J3R 5H8
Contact: Andre Bergeren



OIL CONDITION

| | | | | | |
|-------------|-----|------|------|------|------|
| Visc @ 40°C | cSt | 44.7 | 50.5 | 44.5 | 44.7 |
|-------------|-----|------|------|------|------|

T: (450)743-5561
F: (450)743-9952



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|----------|----------|----------|
| Particles >4µm | | 8631 | 2100 | 397 | 23034 |
| Particles >6µm | | 921 | 113 | 64 | 5006 |
| Particles >14µm | | 50 | 9 | 7 | 88 |
| ISO 4406:1999 (c) | | 20/17/13 | 18/14/10 | 16/13/10 | 22/20/14 |
| Silicon | ppm | <1 | <1 | 3 | 3 |
| Sodium | ppm | <1 | 2 | 3 | 3 |
| Potassium | ppm | <1 | <1 | <1 | <1 |

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 5 | 4 | 9 | 8 |
| Copper | ppm | <1 | 1 | 6 | 5 |
| Lead | ppm | <1 | <1 | 8 | 7 |
| Tin | ppm | 0 | 0 | <1 | <1 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | <1 | 1 | 5 | 4 |
| Molybdenum | ppm | 1 | <1 | <1 | <1 |
| Nickel | ppm | <1 | 0 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

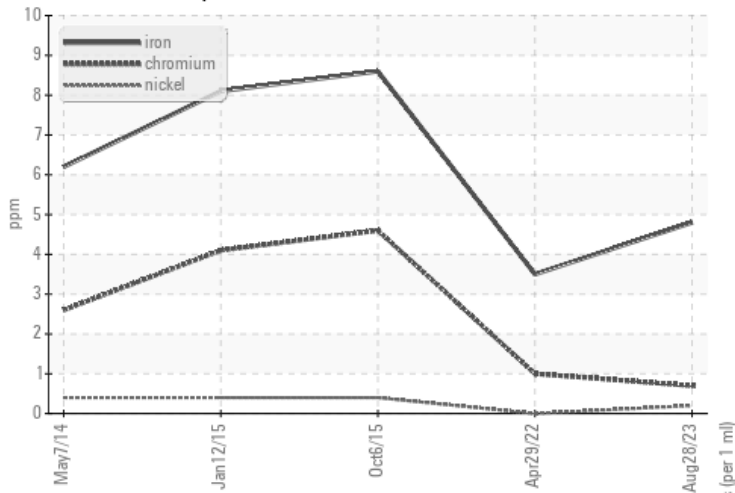
| | | | | | |
|------------|-----|-----|-----|------|------|
| Calcium | ppm | 128 | 208 | 1261 | 1285 |
| Magnesium | ppm | 19 | 4 | 8 | 8 |
| Zinc | ppm | 589 | 444 | 679 | 703 |
| Phosphorus | ppm | 492 | 370 | 554 | 587 |
| Barium | ppm | 0 | 0 | <1 | <1 |
| Boron | ppm | 1 | 4 | 3 | 4 |

Depot: TER59STJ
Unique No: 5632764
Signed: Kevin Marson
Report Date: 01 Sep 2023

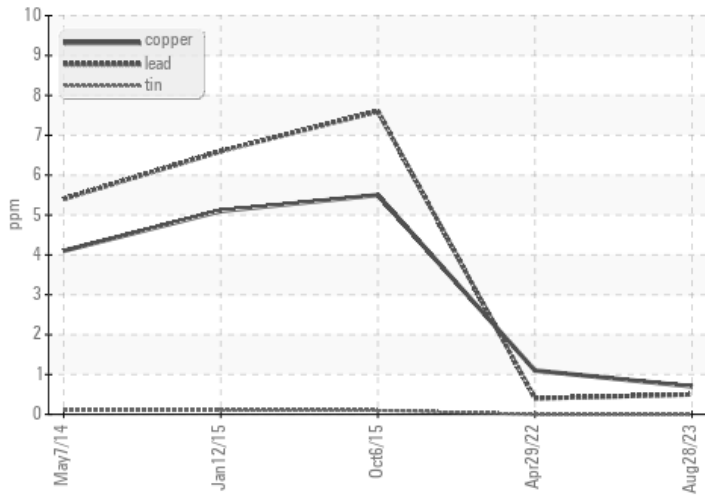


GRAPHS

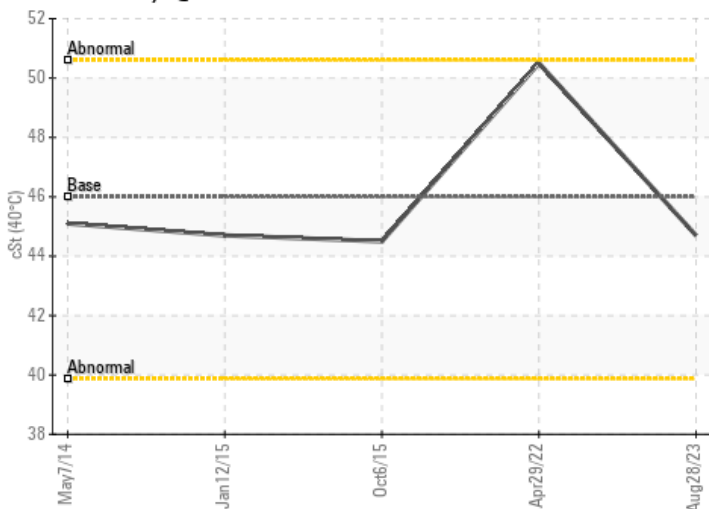
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

