



CONSTRUCTION EQUIPMENT

CARGILL 389044 VOLVO L120H 16705 - HYDRAULIC SYSTEM



Sample No: VCP394409
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 389044



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP394409 | VCP333623 | --- | --- |
| Sample Date | 27 Dec 2023 | 21 Oct 2022 | --- | --- |
| Machine Hours | 2906 | 1294 | --- | --- |
| Oil Hours | 0 | 1294 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | NORMAL | SEVERE | --- | --- |

STRONGCO EQUIPMENT-EDMONTON

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 42.2 | 43.4 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-------------------|-----|-----------------|----------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Particles >4µm | | 23114 | 98163 | --- | --- |
| Particles >6µm | | 1329 | 26328 | --- | --- |
| Particles >14µm | | 12 | 288 | --- | --- |
| ISO 4406:1999 (c) | | 22/18/11 | 24/22/15 | --- | --- |
| Silicon | ppm | 1 | 1 | --- | --- |
| Sodium | ppm | 1 | <1 | --- | --- |
| Potassium | ppm | 3 | <1 | --- | --- |

Diagnosis

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 6 | 3 | --- | --- |
| Copper | ppm | 3 | 2 | --- | --- |
| Lead | ppm | 1 | 1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | <1 | 0 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 0 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Calcium | ppm | 50 | 51 | --- | --- |
| Magnesium | ppm | <1 | 0 | --- | --- |
| Zinc | ppm | 423 | 423 | --- | --- |
| Phosphorus | ppm | 340 | 371 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 0 | <1 | --- | --- |

Depot: VOLVO3908

Unique No: 5708248

Signed: Wes Davis

Report Date: 11 Jan 2024

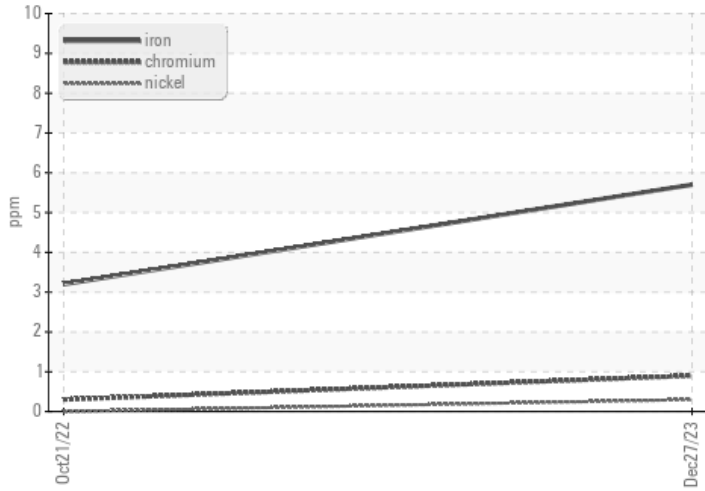


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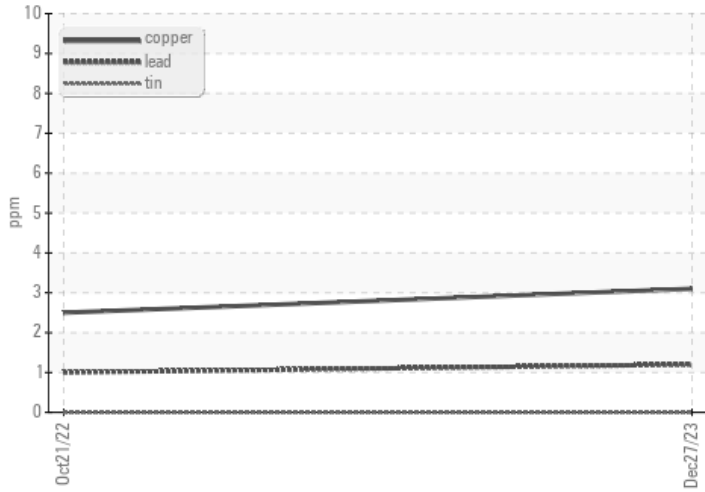


GRAPHS

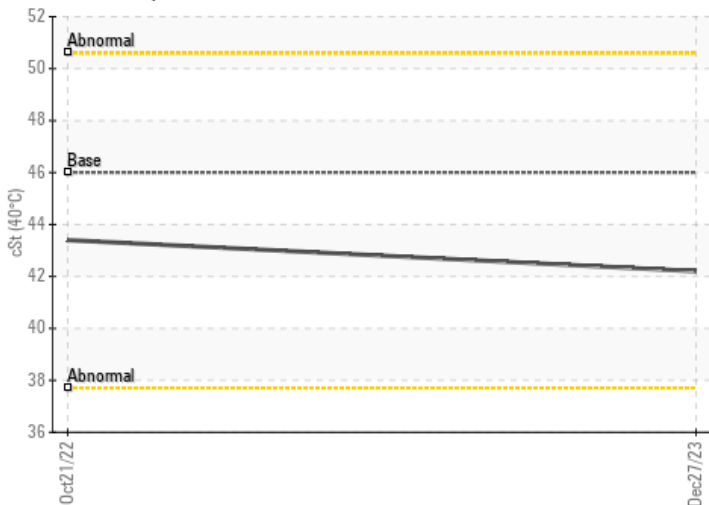
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

