



CONSTRUCTION EQUIPMENT

VOLVO A30G 753219 - HYDRAULIC SYSTEM



Sample No: VCP412595
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP412595 | VCP423673 | --- | --- |
| Sample Date | 13 Sep 2023 | 12 Jun 2023 | --- | --- |
| Machine Hours | 1000 | 500 | --- | --- |
| Oil Hours | 1000 | 500 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | ATTENTION | NORMAL | --- | --- |

SANTA ROSA COUNTY LANDFILLS
 6337 DA LISA RD
 MILTON, FL
 US 32583
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 rolandm@santarosa.fl.gov
 T: (850)777-0573
 F:



OIL CONDITION

| | | | | | |
|------------------|----------|--------|--------|-----|-----|
| Visc @ 40°C | cSt | █ 43.4 | █ 44.0 | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.48 | █ 0.45 | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|----------|-----|-----|
| Particles >4µm | | 5222 | 428 | --- | --- |
| Particles >6µm | | █ 1893 | █ 138 | --- | --- |
| Particles >14µm | | ▲ 238 | █ 14 | --- | --- |
| ISO 4406:1999 (c) | | 20/18/15 | 16/14/11 | --- | --- |
| Silicon | ppm | █ 3 | █ 2 | --- | --- |
| Sodium | ppm | █ 0 | █ <1 | --- | --- |
| Potassium | ppm | █ <1 | █ 0 | --- | --- |

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | █ 4 | █ <1 | --- | --- |
| Copper | ppm | █ 3 | █ 2 | --- | --- |
| Lead | ppm | █ 2 | █ <1 | --- | --- |
| Tin | ppm | █ <1 | █ 0 | --- | --- |
| Aluminum | ppm | █ 0 | █ <1 | --- | --- |
| Chromium | ppm | █ <1 | █ 0 | --- | --- |
| Molybdenum | ppm | █ 0 | █ 0 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █ 0 | █ 0 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Calcium | ppm | █ 60 | █ 56 | --- | --- |
| Magnesium | ppm | █ <1 | █ 0 | --- | --- |
| Zinc | ppm | █ 443 | █ 459 | --- | --- |
| Phosphorus | ppm | █ 331 | █ 360 | --- | --- |
| Barium | ppm | █ 0 | █ 0 | --- | --- |
| Boron | ppm | █ 0 | █ 0 | --- | --- |

Depot: SANMILFL
Unique No: 10682259
Signed: Wes Davis
Report Date: 06 Oct 2023

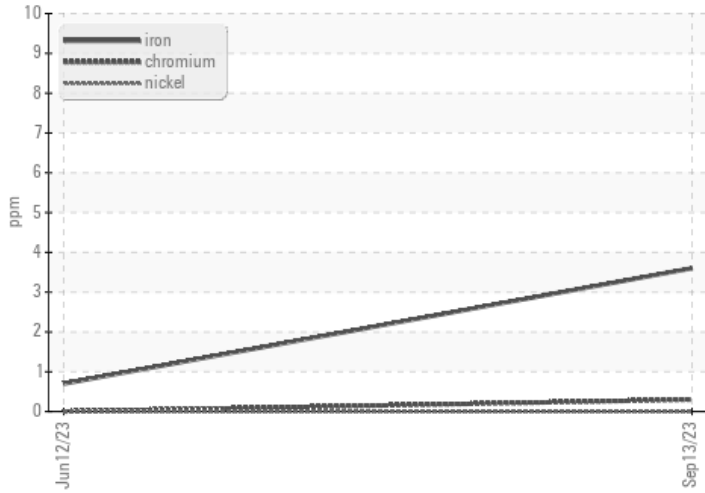


CONSTRUCTION EQUIPMENT

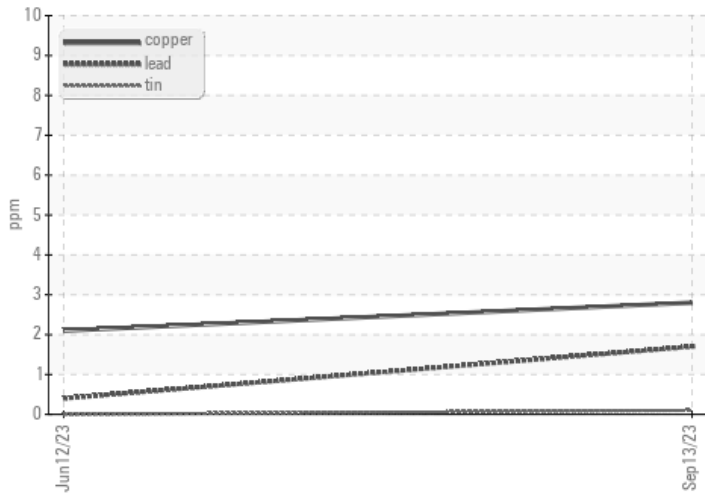


GRAPHS

Ferrous Alloys



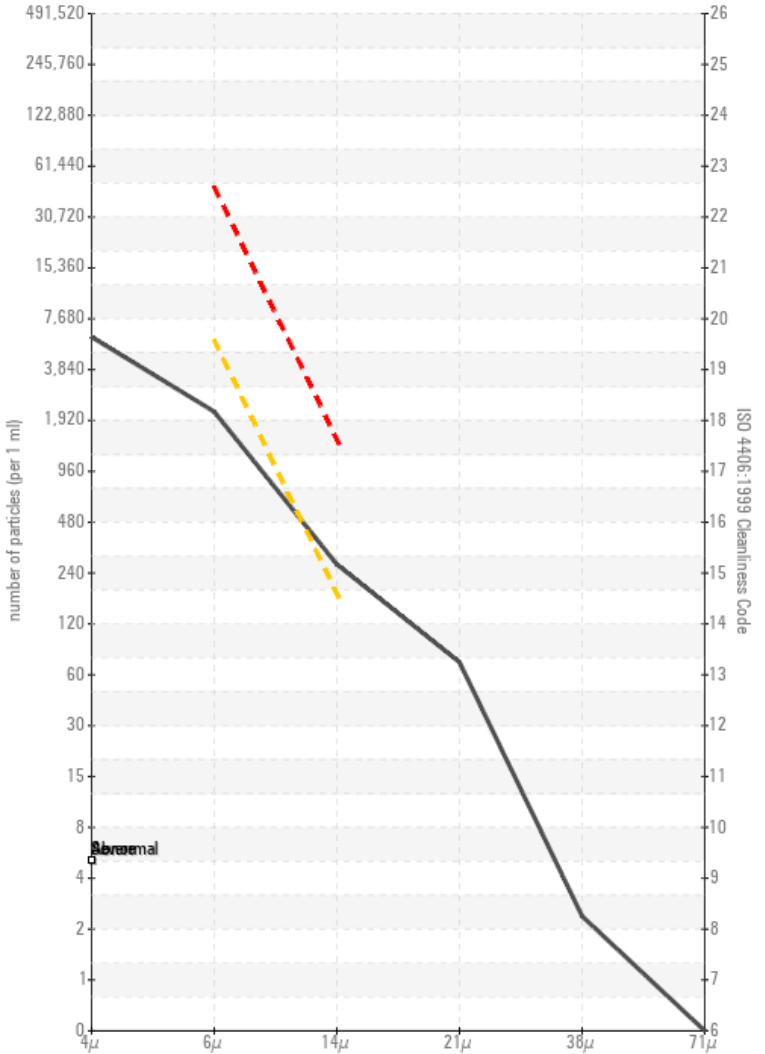
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

