



CONSTRUCTION EQUIPMENT

VOLVO EC550EL 310550 - HYDRAULIC SYSTEM



Sample No: VCP414723
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP414723 | --- | --- | --- |
| Sample Date | 07 Sep 2023 | --- | --- | --- |
| Machine Hours | 6 | --- | --- | --- |
| Oil Hours | 6 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 46.0 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.46 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Particles >4µm | | █ 6909 | --- | --- | --- |
| Particles >6µm | | █ 1700 | --- | --- | --- |
| Particles >14µm | | █ 68 | --- | --- | --- |
| ISO 4406:1999 (c) | | 20/18/13 | --- | --- | --- |
| Silicon | ppm | █ 1 | --- | --- | --- |
| Sodium | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 110 | --- | --- | --- |
| Magnesium | ppm | █ 0 | --- | --- | --- |
| Zinc | ppm | █ 557 | --- | --- | --- |
| Phosphorus | ppm | █ 449 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

Depot: VOLVO0093
Unique No: 10644935
Signed: Wes Davis
Report Date: 14 Sep 2023

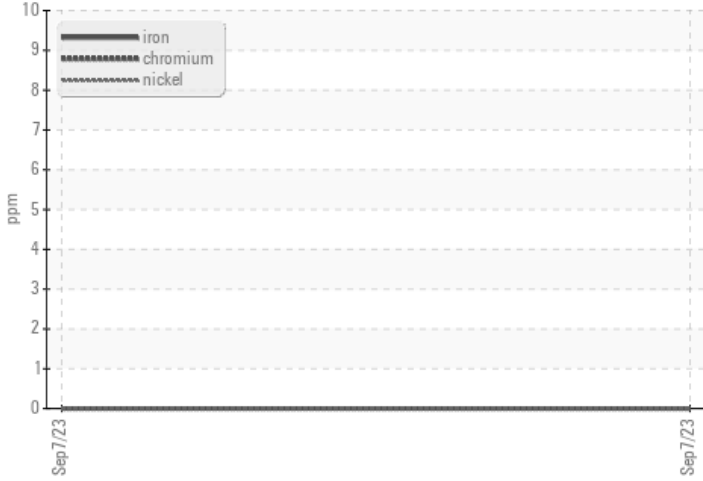


CONSTRUCTION EQUIPMENT

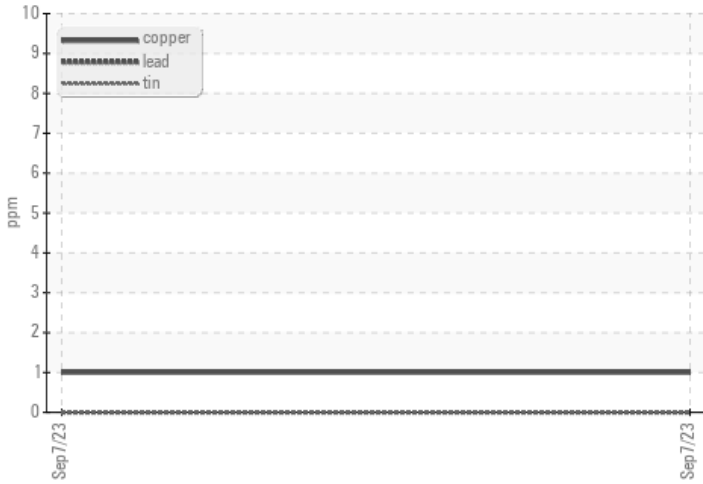


VOLVO GRAPHS

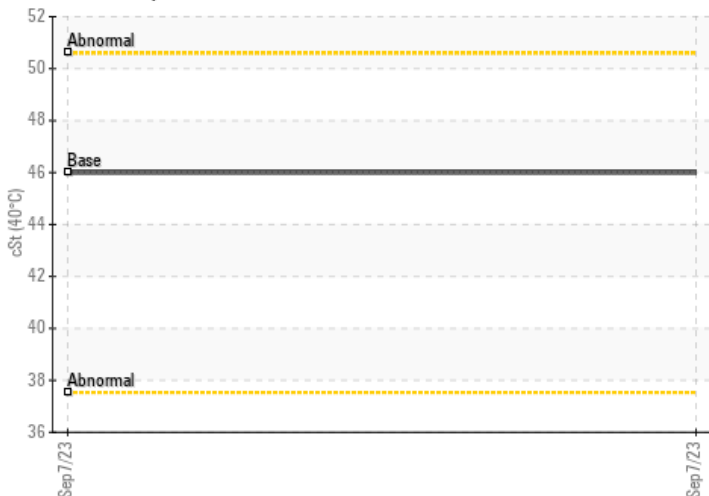
Ferrous Alloys



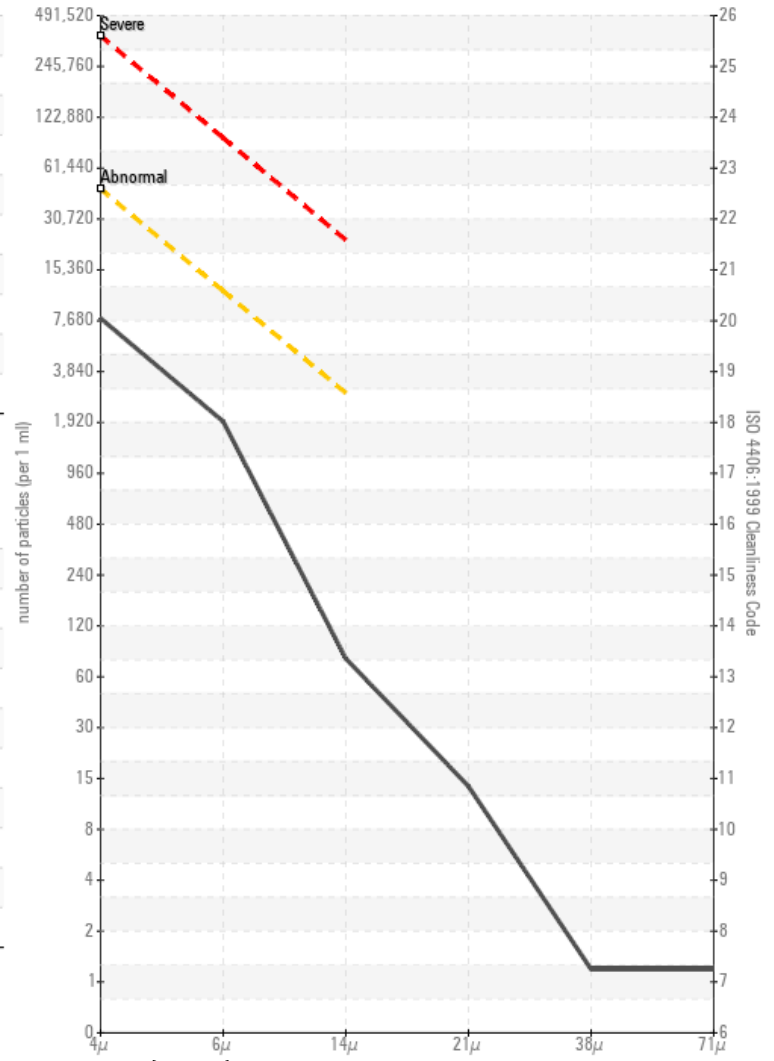
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

