



CONSTRUCTION EQUIPMENT

537144 SUWANNEE VOLVO A40G 353375 - HYDRAULIC SYSTEM



Sample No: VCP449546
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 537144 SUWANNEE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP449546 | VCP432677 | VCP417713 | --- |
| Sample Date | 18 Apr 2024 | 07 Sep 2023 | 14 Jul 2023 | --- |
| Machine Hours | 4458 | 2328 | 1524 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Not Changd | Not Changd | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|-----|
| Visc @ 40°C | cSt | 42.9 | 42.9 | 42.9 | --- |
| Acid Number (AN) | mg KOH/g | 0.39 | 0.37 | 0.47 | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|-----------------|----------|----------|-----|
| Water | % | NEG | NEG | NEG | --- |
| Particles >4µm | | 4029 | 14436 | 3596 | --- |
| Particles >6µm | | 836 | 3684 | 702 | --- |
| Particles >14µm | | 46 | 105 | 36 | --- |
| ISO 4406:1999 (c) | | 19/17/13 | 21/19/14 | 19/17/12 | --- |
| Silicon | ppm | 4 | 5 | 4 | --- |
| Sodium | ppm | <1 | 3 | 0 | --- |
| Potassium | ppm | 0 | 1 | <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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|---|-----|
| Iron | ppm | 6 | 5 | 4 | --- |
| Copper | ppm | <1 | 2 | 1 | --- |
| Lead | ppm | 0 | 1 | 1 | --- |
| Tin | ppm | 0 | <1 | 0 | --- |
| Aluminum | ppm | 0 | 0 | 1 | --- |
| Chromium | ppm | 0 | <1 | 0 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | 0 | 0 | 0 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 0 | <1 | 0 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 63 | 60 | 71 | --- |
| Magnesium | ppm | 0 | 2 | <1 | --- |
| Zinc | ppm | 429 | 450 | 430 | --- |
| Phosphorus | ppm | 313 | 341 | 317 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 0 | 0 | 0 | --- |

Depot: VOLVO0096
Unique No: 10994435
Signed: Wes Davis
Report Date: 25 Apr 2024

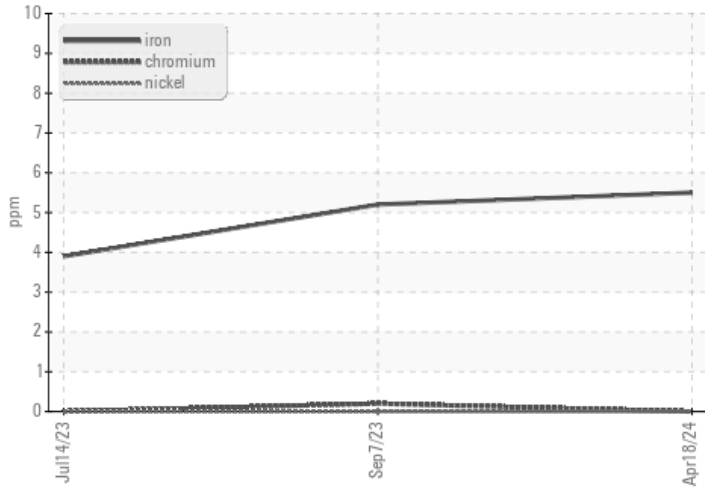


CONSTRUCTION EQUIPMENT

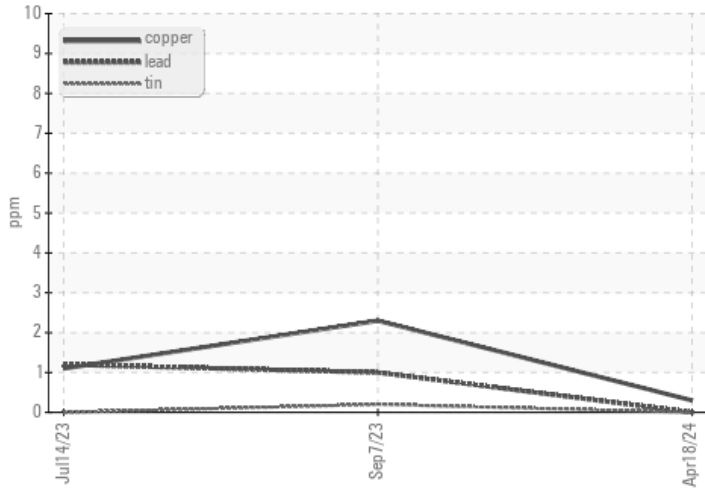


VOLVO GRAPHS

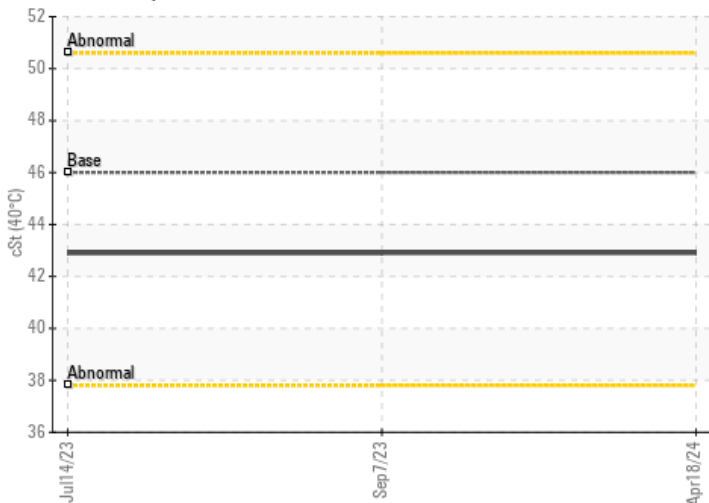
Ferrous Alloys



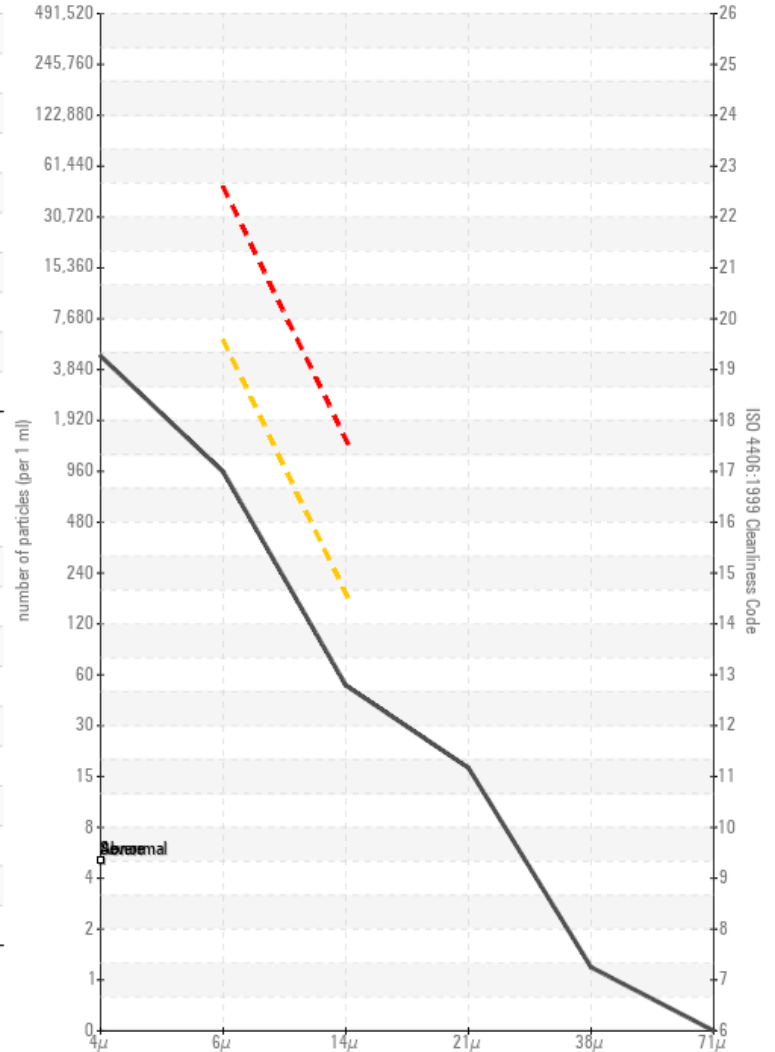
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

