



CONSTRUCTION EQUIPMENT

701908 MOSAIC TAKEUCHI TB2150 514601123 - HYDRAULIC SYSTEM



Sample No: VCP445554
Oil Type: TAKEUCHI VG 46
Job No: 701908 MOSAIC



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP445554 | VCP422658 | --- | --- |
| Sample Date | 17 Apr 2024 | 30 Jun 2023 | --- | --- |
| Machine Hours | 967 | 477 | --- | --- |
| Oil Hours | 967 | 477 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | ATTENTION | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|--------|-----|-----|
| Visc @ 40°C | cSt | █ 44.5 | █ 47.4 | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.16 | █ 0.15 | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|----------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Particles >4µm | | ● 8846 | █ 3306 | --- | --- |
| Particles >6µm | | █ 702 | █ 612 | --- | --- |
| Particles >14µm | | █ 27 | █ 32 | --- | --- |
| ISO 4406:1999 (c) | | 20/17/12 | 19/16/12 | --- | --- |
| Silicon | ppm | █ 2 | █ 1 | --- | --- |
| Sodium | ppm | █ <1 | █ 0 | --- | --- |
| Potassium | ppm | █ 0 | █ <1 | --- | --- |

Diagnosis

The filter change at the time of sampling has been noted. 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 | █ 2 | █ 2 | --- | --- |
| Copper | ppm | █ 2 | █ 3 | --- | --- |
| Lead | ppm | █ 0 | █ 1 | --- | --- |
| Tin | ppm | █ 0 | █ 0 | --- | --- |
| Aluminum | ppm | █ 0 | █ 0 | --- | --- |
| Chromium | ppm | █ 0 | █ 0 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | <1 | 0 | --- | --- |
| Manganese | ppm | 0 | 0 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | <1 | 3 | --- | --- |
| Magnesium | ppm | 0 | 1 | --- | --- |
| Zinc | ppm | 73 | 82 | --- | --- |
| Phosphorus | ppm | 265 | 295 | --- | --- |
| Barium | ppm | 0 | 2 | --- | --- |
| Boron | ppm | 0 | 0 | --- | --- |

Depot: VOLVO0093
Unique No: 11047134
Signed: Wes Davis
Report Date: 28 May 2024

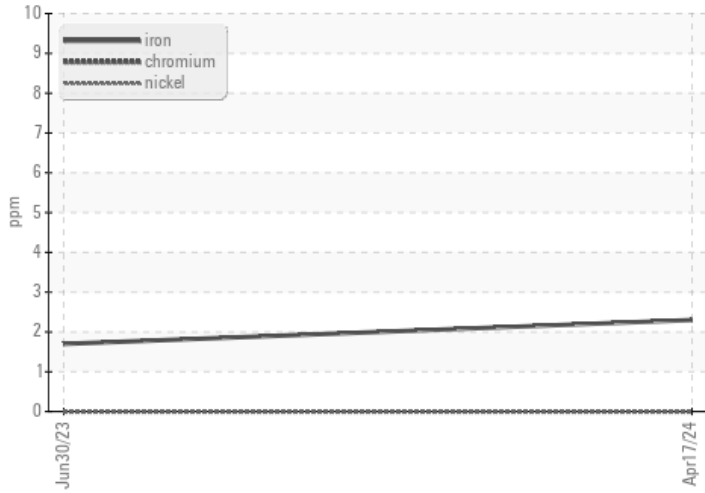


CONSTRUCTION EQUIPMENT

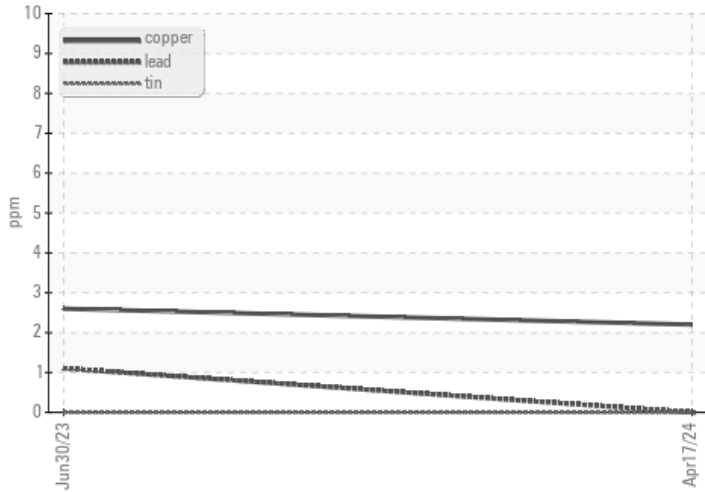


VOLVO GRAPHS

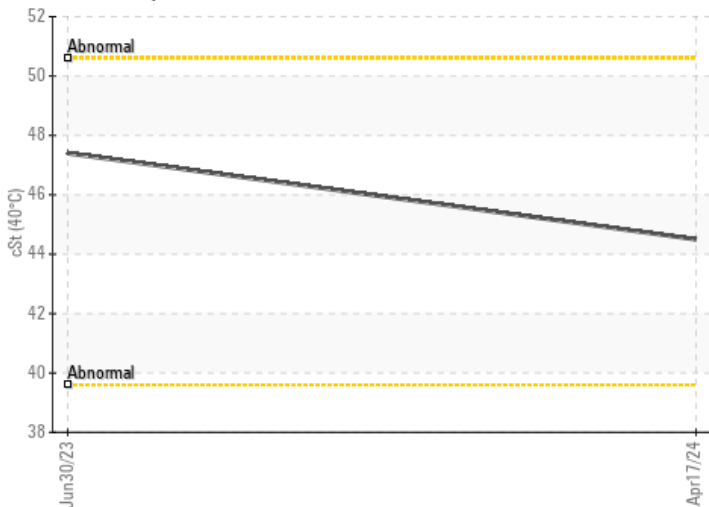
Ferrous Alloys



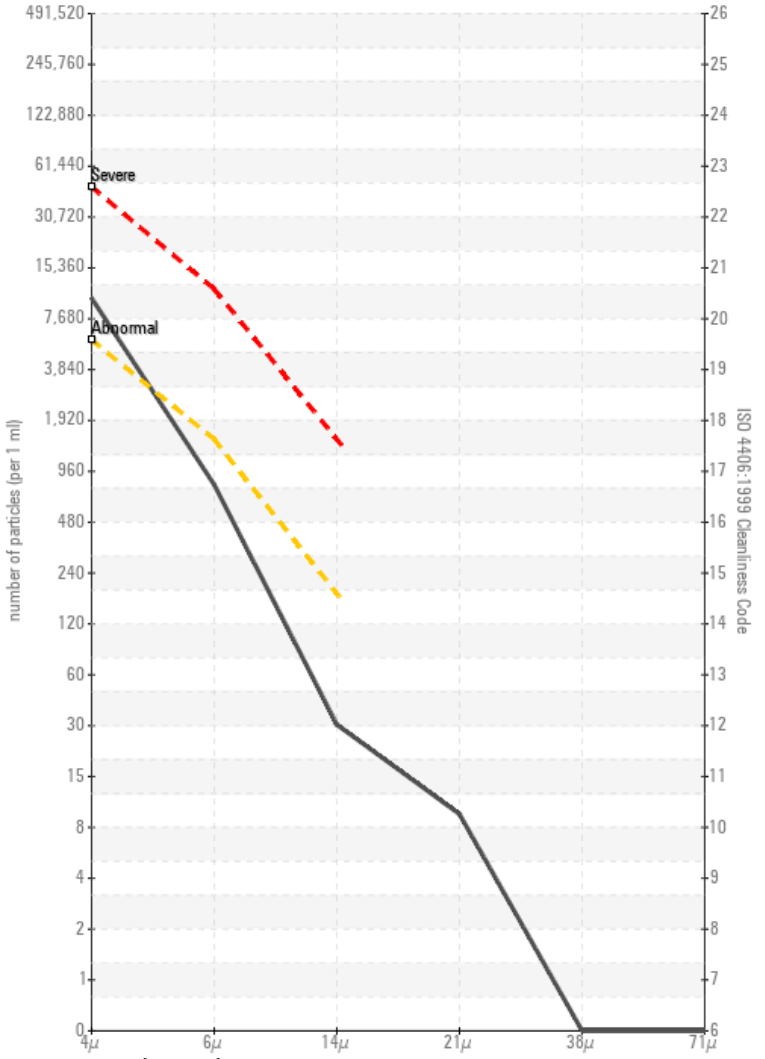
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

