



CONSTRUCTION EQUIPMENT

717066 MOSAIC VOLVO EC480EL 315302 - HYDRAULIC SYSTEM



Sample No: VCP443902
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 717066 MOSAIC



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP443902 | VCP440778 | --- | --- |
| Sample Date | 29 May 2024 | 29 Nov 2023 | --- | --- |
| Machine Hours | 1028 | 516 | --- | --- |
| Oil Hours | 1028 | 516 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | ATTENTION | ABNORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|------|------|-----|-----|
| Visc @ 40°C | cSt | 43.6 | 43.9 | --- | --- |
| Acid Number (AN) | mg KOH/g | 0.41 | 0.44 | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Particles >4µm | | 54862 | --- | --- | --- |
| Particles >6µm | | 7520 | --- | --- | --- |
| Particles >14µm | | 82 | --- | --- | --- |
| ISO 4406:1999 (c) | | 23/20/14 | --- | --- | --- |
| Silicon | ppm | 3 | 2 | --- | --- |
| 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 | 3 | 2 | --- | --- |
| Copper | ppm | 16 | 9 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | <1 | 0 | --- | --- |
| Aluminum | ppm | 0 | 1 | --- | --- |
| Chromium | ppm | 0 | 0 | --- | --- |
| Molybdenum | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 0 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 71 | 84 | --- | --- |
| Magnesium | ppm | <1 | <1 | --- | --- |
| Zinc | ppm | 468 | 486 | --- | --- |
| Phosphorus | ppm | 372 | 364 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 0 | 0 | --- | --- |

Depot: VOLVO0093
Unique No: 11126538
Signed: Wes Davis
Report Date: 17 Jul 2024

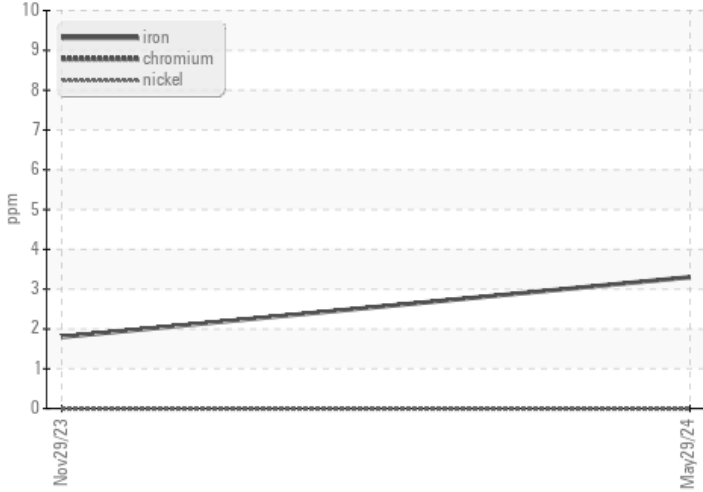


CONSTRUCTION EQUIPMENT

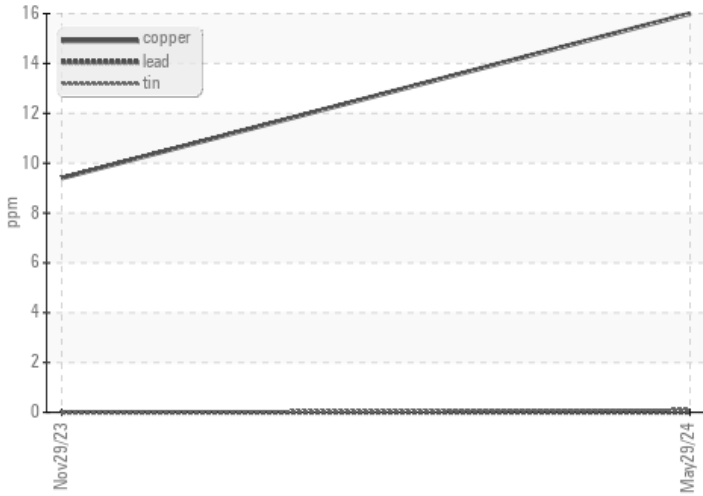


GRAPHS

Ferrous Alloys



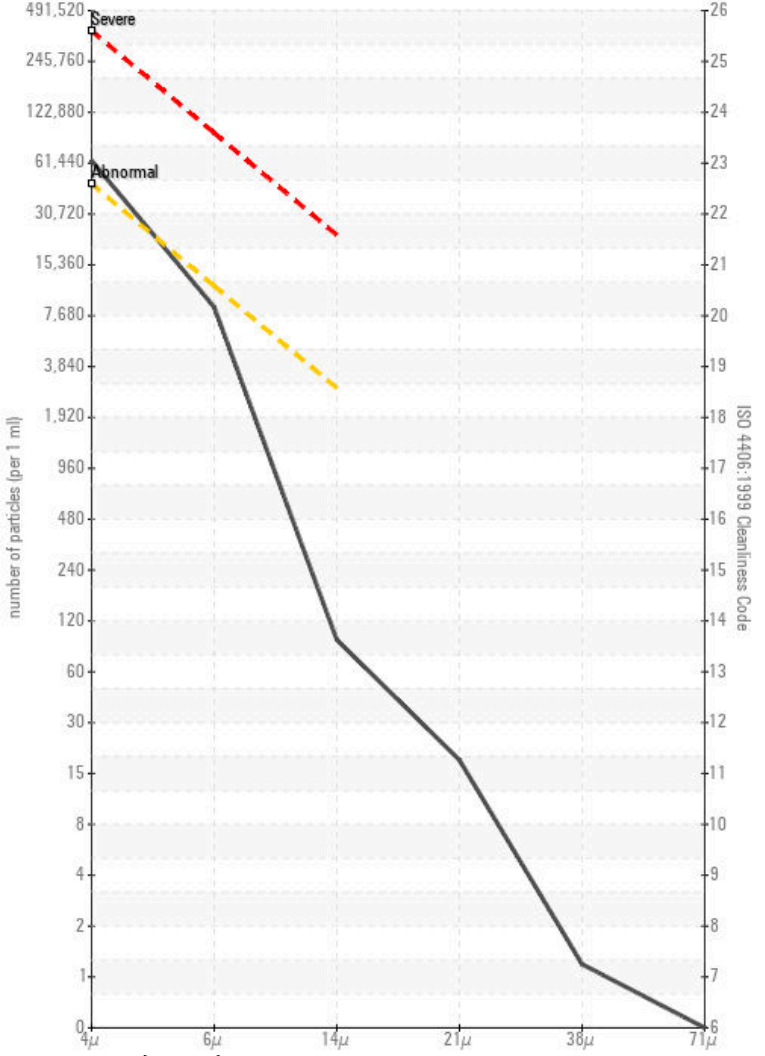
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

