



CONSTRUCTION EQUIPMENT

380814-10 IAA LINCOL VOLVO L90H 626899 - HYDRAULIC SYSTEM



Sample No: VCP415312
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 380814-10 IAA LINCOL



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP415312 | --- | --- | --- |
| Sample Date | 05 Oct 2023 | --- | --- | --- |
| Machine Hours | 700 | --- | --- | --- |
| Oil Hours | 700 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 44.3 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.48 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Particles >4µm | | █ 930 | --- | --- | --- |
| Particles >6µm | | █ 251 | --- | --- | --- |
| Particles >14µm | | █ 14 | --- | --- | --- |
| ISO 4406:1999 (c) | | 17/15/11 | --- | --- | --- |
| 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 | █ <1 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 0 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 0 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 82 | --- | --- | --- |
| Magnesium | ppm | █ 2 | --- | --- | --- |
| Zinc | ppm | █ 436 | --- | --- | --- |
| Phosphorus | ppm | █ 334 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

Depot: VOLVO5054
Unique No: 10699626
Signed: Wes Davis
Report Date: 19 Oct 2023

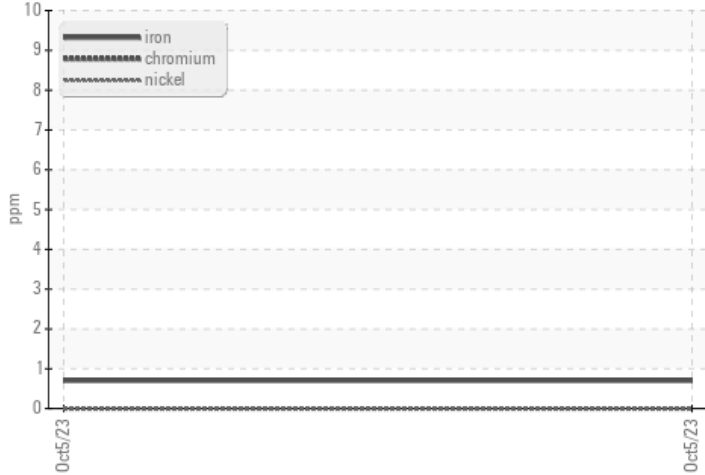


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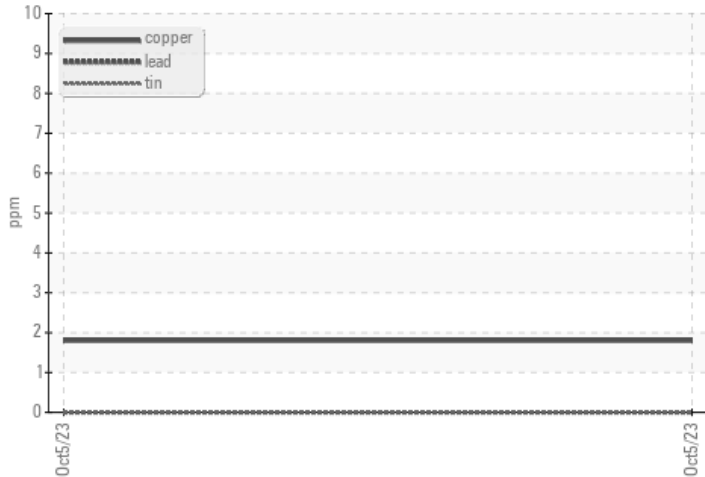


GRAPHS

Ferrous Alloys



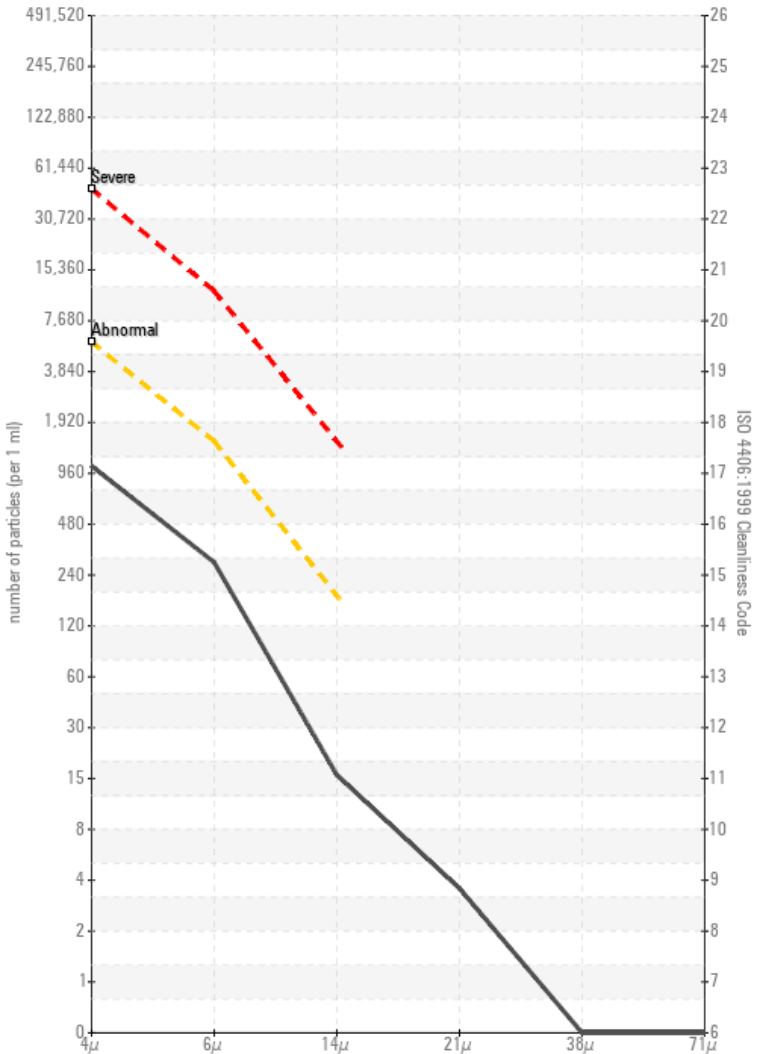
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

