



CONSTRUCTION EQUIPMENT

8000383051 VOLVO EC300EL 315097 - HYDRAULIC SYSTEM



Sample No: VCP393018
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000383051



SAMPLE INFORMATION

Sample Number	VCP393018	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	3944	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIP (AB)
6 - 38403 BURNT LAKE TRAIL
RED DEER COUNTY, AB
CA T4S 2L4
Contact: Joseph St Peter
jstpeter@strongco.com
T: (403)346-3473
F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	▲ 34.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 1817	---	---	---
Particles >6µm		■ 464	---	---	---
Particles >14µm		■ 49	---	---	---
ISO 4406:1999 (c)		18/16/13	---	---	---
Silicon	ppm	■ 4	---	---	---
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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 70	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 450	---	---	---
Phosphorus	ppm	■ 365	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: VOLVO9652
Unique No: 5683262
Signed: Kevin Marson
Report Date: 23 Nov 2023

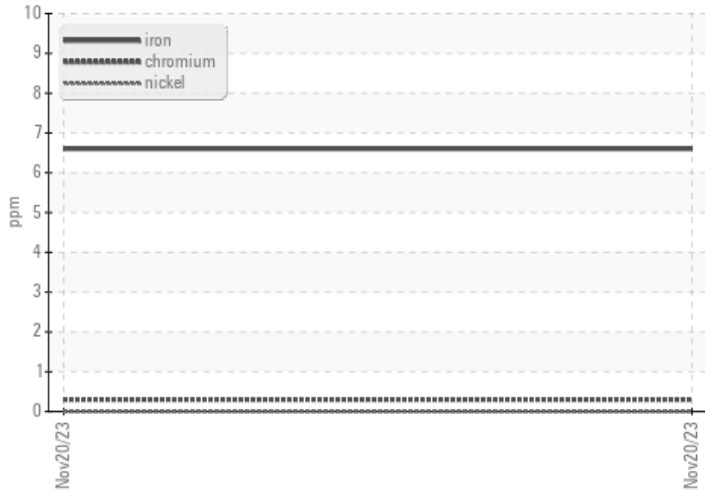


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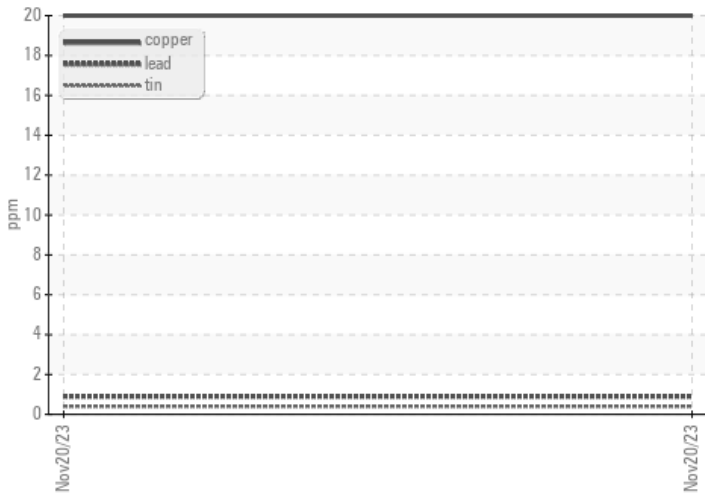


VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

