



CONSTRUCTION EQUIPMENT

SYNERGY HOMES 8000383628 VOLVO EC350E 314628 - HYDRAULIC SYSTEM



Sample No: VCP380178
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000383628



SAMPLE INFORMATION

Sample Number	VCP380178	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	610	---	---	---
Oil Hours	610	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT INC.
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OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
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CONTAMINATION

Particles >4µm		█ 11945	---	---	---
Particles >6µm		█ 2913	---	---	---
Particles >14µm		█ 133	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 85	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 484	---	---	---
Phosphorus	ppm	█ 379	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: SHEDAR
Unique No: 5671732
Signed: Wes Davis
Report Date: 08 Nov 2023

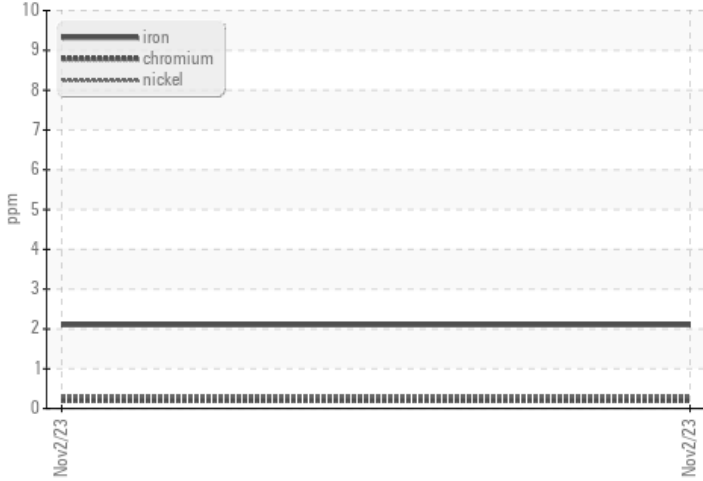


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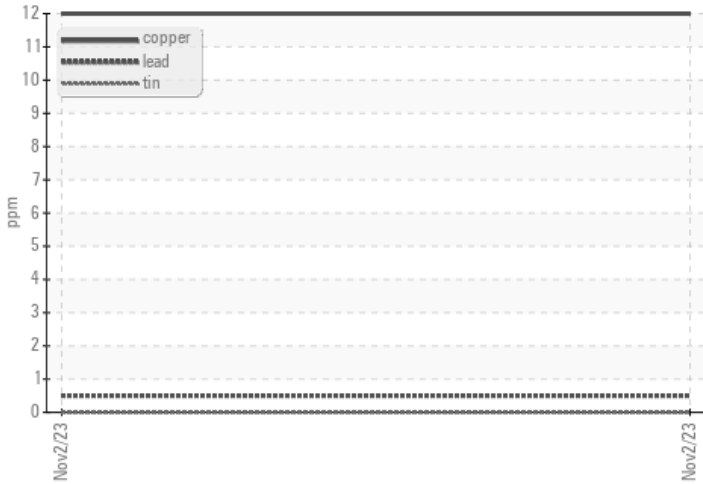


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

