



CONSTRUCTION EQUIPMENT

8000391365 VOLVO EC350EL 314435 - HYDRAULIC SYSTEM



Sample No: VCP449444
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000391365



SAMPLE INFORMATION

Sample Number	VCP449444	VCP391756	---	---
Sample Date	17 Jan 2024	29 May 2023	---	---
Machine Hours	2381	1035	---	---
Oil Hours	2381	1035	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.9	█ 41.8	---	---
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CONTAMINATION

Water	%	█ 0.005	NEG	---	---
Particles >4µm		█ 6381	█ 1310	---	---
Particles >6µm		█ 206	█ 307	---	---
Particles >14µm		█ 8	█ 23	---	---
ISO 4406:1999 (c)		20/15/10	18/15/12	---	---
Silicon	ppm	█ 2	█ 3	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ <1	█ <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 water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 4	█ 3	---	---
Copper	ppm	█ 15	█ 18	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 51	█ 98	---	---
Magnesium	ppm	█ <1	█ <1	---	---
Zinc	ppm	█ 425	█ 537	---	---
Phosphorus	ppm	█ 390	█ 461	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ <1	█ <1	---	---

Depot: SHEDAR
Unique No: 5711419
Signed: Wes Davis
Report Date: 23 Jan 2024

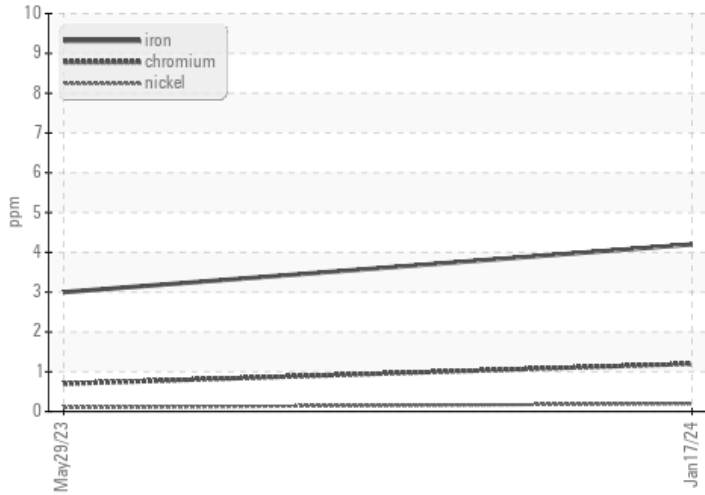


CONSTRUCTION EQUIPMENT

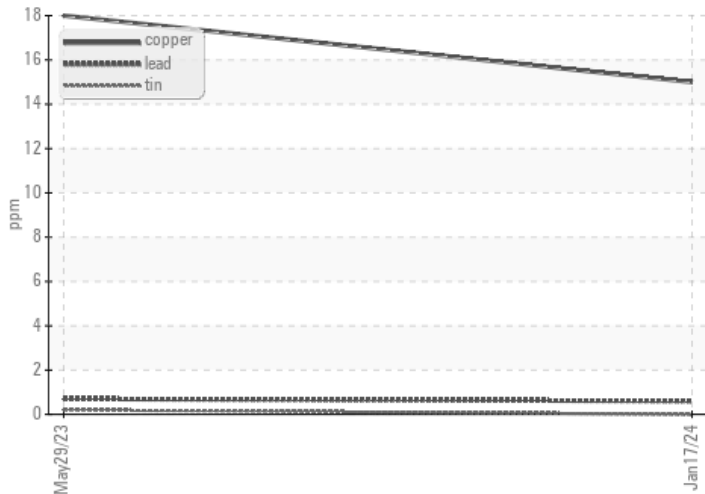


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

