



CONSTRUCTION EQUIPMENT

8000387032 VOLVO EC160EL 314249 - HYDRAULIC SYSTEM



Sample No: VCP392852
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000387032



SAMPLE INFORMATION

Sample Number	VCP392852	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	1658	---	---	---
Oil Hours	1658	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT INC.
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 10808	---	---	---
Particles >6µm		█ 1320	---	---	---
Particles >14µm		█ 58	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 6	---	---	---
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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 43	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
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	█ 119	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 672	---	---	---
Phosphorus	ppm	█ 525	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: SHEDAR
Unique No: 5694347
Signed: Wes Davis
Report Date: 07 Dec 2023

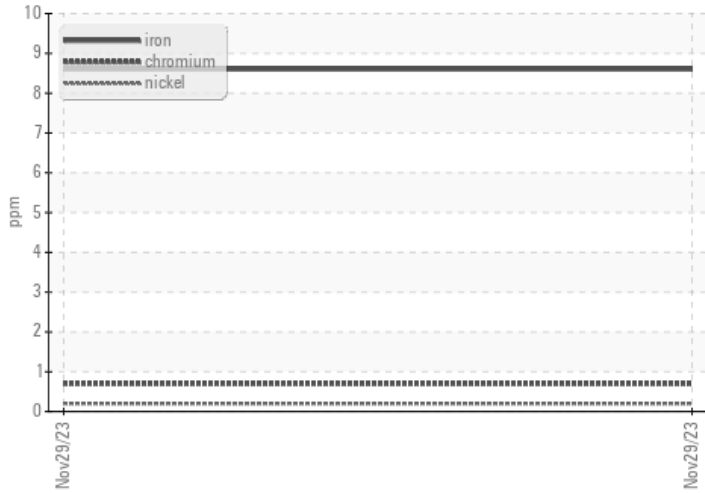


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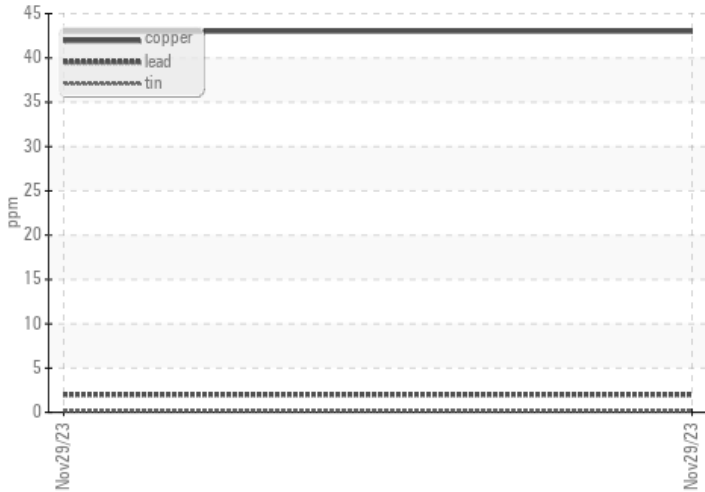


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

