



CONSTRUCTION EQUIPMENT

TREWORKS 8000387220 VOLVO ECR145E 316021 - HYDRAULIC SYSTEM



Sample No: VCP392029
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 8000387220



SAMPLE INFORMATION

Sample Number	VCP392029	---	---	---
Sample Date	01 Dec 2023	---	---	---
Machine Hours	977	---	---	---
Oil Hours	977	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT INC.
55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
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OIL CONDITION

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

Water	%	NEG	---	---	---
Particles >4µm		█7235	---	---	---
Particles >6µm		█1504	---	---	---
Particles >14µm		█60	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█6	---	---	---
Sodium	ppm	█2	---	---	---
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	█5	---	---	---
Copper	ppm	█14	---	---	---
Lead	ppm	█2	---	---	---
Tin	ppm	█0	---	---	---
Aluminum	ppm	█<1	---	---	---
Chromium	ppm	█<1	---	---	---
Molybdenum	ppm	█2	---	---	---
Nickel	ppm	█<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█369	---	---	---
Magnesium	ppm	57	---	---	---
Zinc	ppm	█568	---	---	---
Phosphorus	ppm	█445	---	---	---
Barium	ppm	█<1	---	---	---
Boron	ppm	█6	---	---	---

Depot: SHEDAR
Unique No: 5694349
Signed: Bill Quesnel
Report Date: 07 Dec 2023

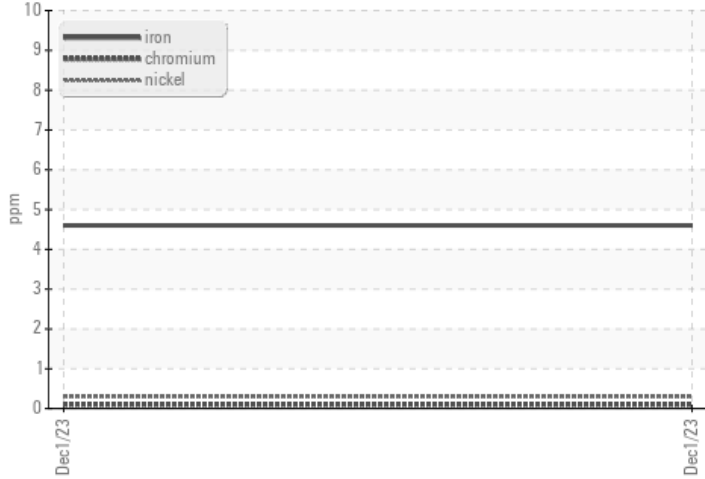


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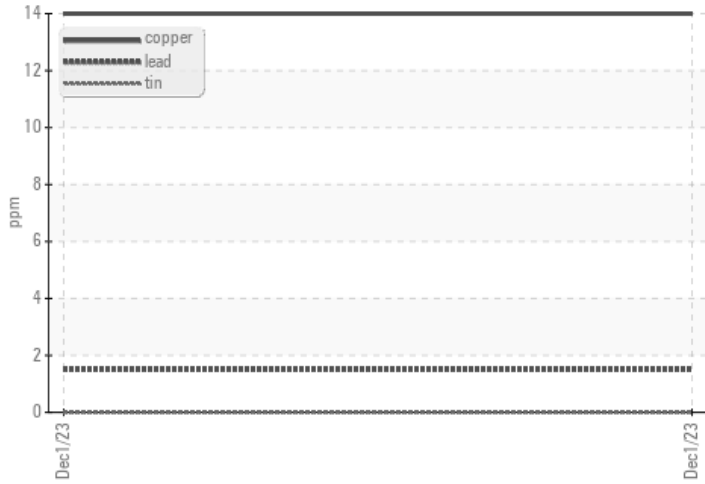


VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

