



# CONSTRUCTION EQUIPMENT

## 368304 VOLVO EW220E 323074 - HYDRAULIC SYSTEM



**Sample No:** VC458401  
**Oil Type:** BOSS LUBRICANTS INDUSTRIAL AW 32  
**Job No:** 368304



### SAMPLE INFORMATION

Sample Number	VC458401	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	2032	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**CITY OF REGINA - FLEET SERVICES DEPT**  
 2476 VICTORIA AVENUE, BOX 1790  
 REGINA, SK  
 CA S4P 3C8  
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 T: (306)777-7674  
 F: (306)777-6813



### OIL CONDITION

Visc @ 40°C	cSt	37.0	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		3182	---	---	---
Particles >6µm		341	---	---	---
Particles >14µm		11	---	---	---
ISO 4406:1999 (c)		19/16/11	---	---	---
Silicon	ppm	4	---	---	---
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 viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	2	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	100	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	613	---	---	---
Phosphorus	ppm	491	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

**Depot:** CITREG  
**Unique No:** 5720944  
**Signed:** Bill Quesnel  
**Report Date:** 01 Feb 2024



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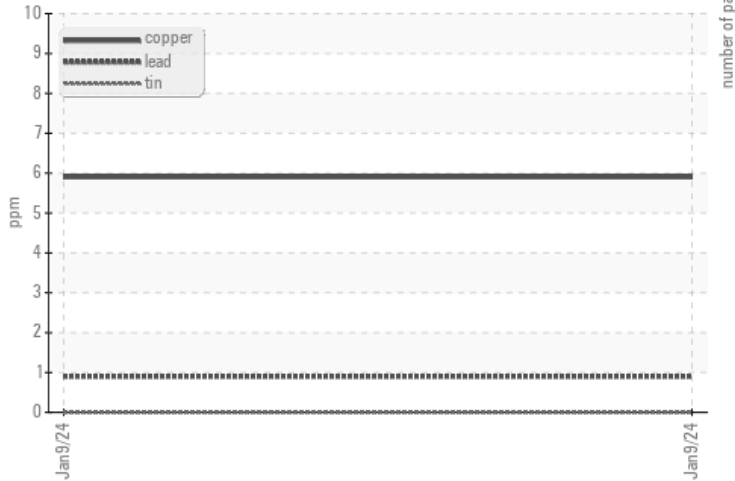


## GRAPHS

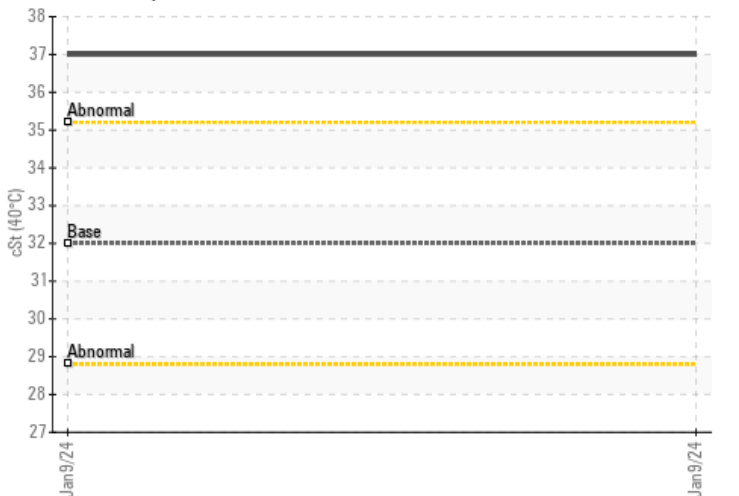
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

