



# CONSTRUCTION EQUIPMENT

## 381835 XCMG XE360U THKAO0106 - DIESEL ENGINE



**Sample No:** VCP352612  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 381835



### SAMPLE INFORMATION

Sample Number	VCP352612	---	---	---
Sample Date	14 Nov 2023	---	---	---
Machine Hours	4022	---	---	---
Oil Hours	750	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT-EDMONTON

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Oxidation (PA)	%	█ 87	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1.1	---	---	---
Nitration (PA)	%	█ 102	---	---	---
Sulfation (PA)	%	█ 70	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 10	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 51	---	---	---
Copper	ppm	█ 29	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 22	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



### ADDITIVES

Calcium	ppm	█ 1853	---	---	---
Magnesium	ppm	█ 364	---	---	---
Zinc	ppm	█ 1269	---	---	---
Phosphorus	ppm	█ 1019	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 16	---	---	---

**Depot:** VOLVO3908

**Unique No:** 5693946

**Signed:** Wes Davis

**Report Date:** 05 Dec 2023



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## GRAPHS

