



CONSTRUCTION EQUIPMENT

578360 T AND K VOLVO A45G 352823 - DROP BOX



Sample No: VCP443945
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 578360 T AND K



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SAMPLE INFORMATION

Sample Number	VCP443945	---	---	---
Sample Date	10 Jun 2024	---	---	---
Machine Hours	4183	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 44.0	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 41	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	▲ 918	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	● 17	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 33	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 96	---	---	---
Phosphorus	ppm	● 1950	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	● 47	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO0093
Unique No: 11127013
Signed: Sean Felton
Report Date: 18 Jul 2024



CONSTRUCTION EQUIPMENT



GRAPHS

