



CONSTRUCTION EQUIPMENT

375374 VOLVO A25F 80028 - DROP BOX



Sample No: VCP394646
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 375374



SAMPLE INFORMATION

Sample Number	VCP394646	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	16156	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8
 Contact: Jason Hiles
 jhiles@strongco.com
 T:
 F: (613)836-2614



OIL CONDITION

Visc @ 40°C	cSt	▲ 108	---	---	---
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CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 171	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2216	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	921	---	---	---
Phosphorus	ppm	■ 822	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	5	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: SHESTI
Unique No: 5633146
Signed: Kevin Marson
Report Date: 05 Sep 2023



GRAPHS

