



CONSTRUCTION EQUIPMENT

715745 MOSAIC VOLVO A45G 352594 - DROP BOX



Sample No: VCP451493
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715745 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233

SAMPLE INFORMATION

Sample Number	VCP451493	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	5749	---	---	---
Oil Hours	1700	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 255	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 57	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

Iron	ppm	■ 239	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 11	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 190	---	---	---
Magnesium	ppm	■ 34	---	---	---
Zinc	ppm	■ 131	---	---	---
Phosphorus	ppm	■ 1027	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 167	---	---	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 11072520
Signed: Don Baldrige
Report Date: 12 Jun 2024



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GRAPHS

