



CONSTRUCTION EQUIPMENT

VOLVO A40G 342248 - DROP BOX



Sample No: VCP409923
Oil Type: GEAR OIL SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP409923	VCE64229	---	---
Sample Date	15 Oct 2023	31 Aug 2018	---	---
Machine Hours	0	438	---	---
Oil Hours	0	438	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	253	49.09	---	---
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CONTAMINATION

Silicon	ppm	6	35	---	---
Sodium	ppm	<1	11	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	107	51	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	1	1	---	---
Molybdenum	ppm	3	9	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	251	58	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	98	54	---	---
Phosphorus	ppm	930	2299	---	---
Barium	ppm	0	0	---	---
Boron	ppm	150	231	---	---

Diagnosis

Resample at the next service interval to monitor. (worried about dog clutch fault). All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0080
Unique No: 10697334
Signed: Don Baldrige
Report Date: 18 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

