



CONSTRUCTION EQUIPMENT

W14719 VOLVO A40G 352936 - DROP BOX



Sample No: VCP433554
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: W14719



SAMPLE INFORMATION

Sample Number	VCP433554	VCP398372	VCP384168	---
Sample Date	21 Sep 2023	29 Dec 2022	31 Oct 2022	---
Machine Hours	1954	963	745	---
Oil Hours	1000	1000	500	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	106	▲ 47.2	▲ 48.2	---
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CONTAMINATION

Silicon	ppm	13	38	39	---
Sodium	ppm	2	7	6	---
Potassium	ppm	<1	<1	<1	---

Diagnosis

Resample at the next service interval to monitor. 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.

WEAR METALS

Iron	ppm	103	105	98	---
Copper	ppm	4	8	8	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	2	1	1	---
Molybdenum	ppm	8	6	6	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	35	94	61	---
Magnesium	ppm	4	4	3	---
Zinc	ppm	30	94	75	---
Phosphorus	ppm	707	2128	2316	---
Barium	ppm	0	0	0	---
Boron	ppm	47	154	150	---

Depot: VOLVO0080
Unique No: 10662669
Signed: Jonathan Hester
Report Date: 28 Sep 2023



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GRAPHS

