



CONSTRUCTION EQUIPMENT

386577 VOLVO EC300E 312753 - SWING DRIVE



Sample No: VCP394115
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 386577



SAMPLE INFORMATION

Sample Number	VCP394115	VCP334249	VCP297947	VCP273621
Sample Date	02 Dec 2023	28 Aug 2022	05 Sep 2021	01 Nov 2020
Machine Hours	9900	8300	6514	4000
Oil Hours	2000	2000	500	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Strongco Equipment
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 Breslau, ON
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OIL CONDITION

Visc @ 40°C	cSt	143	139	139	136
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	3	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	20	46	77	71
Copper	ppm	<1	1	2	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	6	10	18
Magnesium	ppm	2	1	<1	<1
Zinc	ppm	5	5	7	16
Phosphorus	ppm	979	1071	1042	980
Barium	ppm	<1	0	0	0
Boron	ppm	180	176	168	166

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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CASKIT
Unique No: 5696017
Signed: Wes Davis
Report Date: 13 Dec 2023



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VOLVO GRAPHS

