



CONSTRUCTION EQUIPMENT

511170-10 VOLVO EC300E 314225 - REAR RIGHT FINAL DRIVE



Sample No: VCP431680
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 511170-10



SAMPLE INFORMATION

Sample Number	VCP431680	VCP424081	VCP405638	VCP321931
Sample Date	18 Mar 2024	07 Sep 2023	09 Jun 2023	10 Jun 2022
Machine Hours	5921	4869	4288	2242
Oil Hours	1000	0	0	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	244	288	287	183
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	20	8	8	6
Sodium	ppm	<1	2	0	2
Potassium	ppm	11	4	4	4

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	358	180	199	261
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	2	<1	2
Chromium	ppm	12	5	6	7
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	1	0	0	0
Titanium	ppm	1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	6	3	3	6
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	305	20	14	4
Magnesium	ppm	2	0	0	<1
Zinc	ppm	138	0	1	11
Phosphorus	ppm	1075	611	886	452
Barium	ppm	5	0	0	6
Boron	ppm	118	64	105	0

Depot: DENHIL
Unique No: 10942424
Signed: Jonathan Hester
Report Date: 28 Mar 2024



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VOLVO GRAPHS

