



CONSTRUCTION EQUIPMENT

511170-10 VOLVO EC300E 314225 - REAR LEFT FINAL DRIVE



Sample No: VCP431676
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 511170-10



SAMPLE INFORMATION

Sample Number	VCP431676	VCP424078	VCP397111	VCP374149
Sample Date	18 Mar 2024	07 Sep 2023	19 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	288	291	291	183
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	28	14	11	9
Sodium	ppm	<1	2	<1	3
Potassium	ppm	12	6	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	425	230	193	269
Copper	ppm	2	<1	0	<1
Lead	ppm	1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	4	3	1	2
Chromium	ppm	15	7	5	7
Molybdenum	ppm	3	<1	<1	<1
Nickel	ppm	1	0	0	0
Titanium	ppm	1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	6	4	3	6
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	38	70	65	10
Magnesium	ppm	2	0	0	0
Zinc	ppm	23	0	14	14
Phosphorus	ppm	982	690	865	446
Barium	ppm	5	0	0	5
Boron	ppm	111	72	97	0

Depot: DENHIL
Unique No: 10942423
Signed: Jonathan Hester
Report Date: 28 Mar 2024



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VOLVO GRAPHS

