



CONSTRUCTION EQUIPMENT

SW-33839-2 VOLVO EC350EL 3 10786 - SWING DRIVE



Sample No: VCP395780
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-33839-2



SAMPLE INFORMATION

Sample Number	VCP395780	VCP414458	VCP395801	VCP383487
Sample Date	03 May 2024	30 Nov 2023	06 Jul 2023	06 Jan 2023
Machine Hours	9509	8434	7380	6328
Oil Hours	1000	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	189	183	164	178
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	15	5	10
Sodium	ppm	2	3	0	0
Potassium	ppm	0	0	<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	62	490	117	75
Copper	ppm	4	7	3	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	4	3	<1	0
Chromium	ppm	<1	6	2	<1
Molybdenum	ppm	318	249	87	189
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	6	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	37	6	54	103
Magnesium	ppm	15	0	<1	2
Zinc	ppm	25	25	51	69
Phosphorus	ppm	549	812	929	660
Barium	ppm	0	0	0	0
Boron	ppm	28	64	133	51

Depot: VOLVO8770
Unique No: 11023579
Signed: Don Baldrige
Report Date: 15 May 2024



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VOLVO GRAPHS

