



CONSTRUCTION EQUIPMENT

SWO-071488 VOLVO A60 340124 - DROP BOX



Sample No: VCP455487
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-071488



SAMPLE INFORMATION

Sample Number	VCP455487	VCP431512	VCP423825	VCP401133
Sample Date	25 Apr 2024	06 Nov 2023	15 Jun 2023	04 Mar 2023
Machine Hours	9238	8770	2220	7828
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	264	264	299	211
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	11	11	7
Sodium	ppm	14	14	0	<1
Potassium	ppm	1	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	131	53	476	625
Copper	ppm	1	0	3	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	4	4
Chromium	ppm	2	<1	8	10
Molybdenum	ppm	5	<1	3	4
Nickel	ppm	0	0	3	5
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	3	2	6	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	87	77	54	121
Magnesium	ppm	<1	<1	23	23
Zinc	ppm	79	71	55	68
Phosphorus	ppm	1087	908	1047	1048
Barium	ppm	0	0	2	0
Boron	ppm	114	125	171	132

Depot: SAIBIR
Unique No: 11005580
Signed: Jonathan Hester
Report Date: 03 May 2024

VOLVO GRAPHS

