



CONSTRUCTION EQUIPMENT

SWO-070331 VOLVO A40F 11843 - DROP BOX



Sample No: VCP452419
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-070331



SAMPLE INFORMATION

Sample Number	VCP452419	VCP431893	VCP416405	VCP397106
Sample Date	12 Mar 2024	01 Nov 2023	02 Aug 2023	12 Apr 2023
Machine Hours	7075	6592	6103	5555
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	295	298	299	294
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	2	2
Sodium	ppm	0	<1	0	0
Potassium	ppm	0	0	2	0

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	11	6	17	18
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	3	5	6
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	16	17	4	4
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	114	57	59
Magnesium	ppm	22	25	13	17
Zinc	ppm	71	67	61	56
Phosphorus	ppm	864	997	916	893
Barium	ppm	0	0	0	0
Boron	ppm	149	175	160	150

Depot: SAIBIR
Unique No: 10930012
Signed: Don Baldrige
Report Date: 20 Mar 2024



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VOLVO GRAPHS

