



CONSTRUCTION EQUIPMENT

SWO-070331 VOLVO A40F 11843 - FRONT AXLE



Sample No: VCP452432
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-070331



SAMPLE INFORMATION

Sample Number	VCP452432	VCP431895	VCP414172	VCP397071
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

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	298	302	325	325
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	2	2
Sodium	ppm	<1	<1	0	0
Potassium	ppm	1	0	1	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	10	4	23	22
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	17	19	2	2
Nickel	ppm	0	0	<1	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	107	117	65	69
Magnesium	ppm	25	31	13	18
Zinc	ppm	67	66	39	35
Phosphorus	ppm	850	1002	949	956
Barium	ppm	0	0	0	0
Boron	ppm	168	191	187	182

Depot: SAIBIR
Unique No: 10930013
Signed: Don Baldrige
Report Date: 20 Mar 2024



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GRAPHS

