



CONSTRUCTION EQUIPMENT

VOLVO A25F 80196 - DROP BOX



Sample No: VCP442664
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP442664	VCP416612	VCP369073	VCP341250
Sample Date	08 Jan 2024	09 Oct 2023	25 May 2023	26 May 2022
Machine Hours	6669	6660	6433	5970
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	SEVERE	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	135	148	359	2.49
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CONTAMINATION

Water	%	NEG	▲ 0.893	● 5.11	NEG
Silicon	ppm	3	7	25	▲ 67
Sodium	ppm	4	28	127	1499
Potassium	ppm	0	10	45	499

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	4	20	86	12
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	2	<1
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	3	6	15	313
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	34	50	115	22
Magnesium	ppm	19	24	11	8
Zinc	ppm	77	125	105	3
Phosphorus	ppm	977	936	848	90
Barium	ppm	0	0	0	---
Boron	ppm	63	43	137	419

Depot: SAIBIR
Unique No: 10845467
Signed: Sean Felton
Report Date: 25 Jan 2024



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GRAPHS

