



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - DROP BOX



Sample No: VCP435406
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP435406	VCP411755	VCP404582	VCP392837
Sample Date	13 Nov 2023	22 Aug 2023	08 May 2023	16 Dec 2022
Machine Hours	9583	9107	8608	8113
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	288	287	287	150
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	7	6	18
Sodium	ppm	0	<1	<1	2
Potassium	ppm	3	<1	2	6

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	60	41	40	74
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	3	1	5
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	5	4	4	7
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	59	80	60	34
Magnesium	ppm	15	21	18	5
Zinc	ppm	32	44	34	9
Phosphorus	ppm	1038	1045	1052	913
Barium	ppm	0	0	0	0
Boron	ppm	196	213	167	176

Depot: SAIBIR
Unique No: 10754612
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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GRAPHS

