



CONSTRUCTION EQUIPMENT

SWO 064668 VOLVO A45G 352639 - DROP BOX



Sample No: VCP416743
Oil Type: GEAR OIL SAE 80W90
Job No: SWO 064668



SAMPLE INFORMATION

Sample Number	VCP416743	VCP410478	VCP395233	VCP368326
Sample Date	07 Aug 2023	12 May 2023	17 Feb 2023	08 Nov 2022
Machine Hours	4377	3923	3418	2948
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ABNORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	202	47.4	47.0	47.4
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CONTAMINATION

Silicon	ppm	13	42	42	39
Sodium	ppm	1	7	6	8
Potassium	ppm	1	4	3	<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	32	155	153	137
Copper	ppm	3	12	10	11
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	2	<1	1
Molybdenum	ppm	4	10	10	9
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	5	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	44	53	59
Magnesium	ppm	17	6	12	6
Zinc	ppm	60	160	161	110
Phosphorus	ppm	1222	2081	2080	2022
Barium	ppm	2	0	0	0
Boron	ppm	173	128	149	138

Depot: SAIBIR
Unique No: 10603735
Signed: Sean Felton
Report Date: 15 Aug 2023



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GRAPHS

