



CONSTRUCTION EQUIPMENT

SWO-068391 VOLVO A45G 352969 - DROP BOX



Sample No: VCP435525
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-068391



SAMPLE INFORMATION

Sample Number	VCP435525	VCP433942	VCP413182	VCP416634
Sample Date	20 Dec 2023	19 Sep 2023	12 Jul 2023	21 Jun 2023
Machine Hours	2980	2491	2095	2003
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	112	113	51.9	51.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	14	68	62
Sodium	ppm	0	2	8	9
Potassium	ppm	0	1	4	7

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	86	72	367	323
Copper	ppm	14	14	93	92
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	1	3
Chromium	ppm	1	1	4	4
Molybdenum	ppm	7	9	33	29
Nickel	ppm	0	<1	2	2
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	2	9	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	63	61	44
Magnesium	ppm	15	16	5	6
Zinc	ppm	132	109	244	226
Phosphorus	ppm	1339	1159	2353	2156
Barium	ppm	5	0	0	0
Boron	ppm	96	93	102	69

Depot: SAIBIR
Unique No: 10809846
Signed: Jonathan Hester
Report Date: 04 Jan 2024



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VOLVO GRAPHS

