



CONSTRUCTION EQUIPMENT

SWO-064007 VOLVO A45G 352799 - DROP BOX



Sample No: VCP417785
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-064007



SAMPLE INFORMATION

Sample Number	VCP417785	VCP405922	VCP368393	VCP364237
Sample Date	12 Jul 2023	29 Mar 2023	16 Nov 2022	31 Aug 2022
Machine Hours	3946	3445	2976	2451
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	MARGINAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	231	229	228	226
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CONTAMINATION

Silicon	ppm	19	22	20	21
Sodium	ppm	2	2	2	<1
Potassium	ppm	1	3	0	3



WEAR METALS

Iron	ppm	520	520	412	414
Copper	ppm	30	29	29	32
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	6	6	5	5
Molybdenum	ppm	59	58	52	53
Nickel	ppm	2	2	2	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	11	11	9	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	102	98	66	66
Magnesium	ppm	29	31	25	24
Zinc	ppm	191	184	156	153
Phosphorus	ppm	1299	1281	1114	1137
Barium	ppm	0	0	0	3
Boron	ppm	65	83	79	80

Diagnosis

No corrective action is recommended at this time. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10574594
Signed: Doug Bogart
Report Date: 30 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

