



CONSTRUCTION EQUIPMENT

SWO-064224 VOLVO A45G 352736 - DROP BOX



Sample No: VCP425071
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-064224



SAMPLE INFORMATION

Sample Number	VCP425071	VCP400723	VCP380771	VCP397712
Sample Date	01 Aug 2023	02 May 2023	11 Jan 2023	07 Dec 2022
Machine Hours	7719	3396	2978	2918
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	SEVERE	SEVERE

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OIL CONDITION

Visc @ 40°C	cSt	187	189	46.9	45.6
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CONTAMINATION

Silicon	ppm	20	17	54	65
Sodium	ppm	0	2	7	7
Potassium	ppm	<1	0	<1	2

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	452	480	1100	1245
Copper	ppm	6	6	17	15
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	0	2	1
Chromium	ppm	4	5	8	8
Molybdenum	ppm	8	8	8	8
Nickel	ppm	3	3	8	7
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	6	13	15
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	87	126	42
Magnesium	ppm	20	22	5	2
Zinc	ppm	77	64	76	86
Phosphorus	ppm	1247	1255	2013	2060
Barium	ppm	0	0	0	0
Boron	ppm	167	139	61	64

Depot: SAIBIR
Unique No: 10588361
Signed: Jonathan Hester
Report Date: 07 Aug 2023



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VOLVO GRAPHS

