



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - DROP BOX



Sample No: VCP399511
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP399511	VCP409133	VCP409127	VCP391377
Sample Date	18 Sep 2023	05 Jul 2023	05 Jul 2023	22 Mar 2023
Machine Hours	1722	1325	1328	757
Oil Hours	0	0	500	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	---	---	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	113	48.1	---	52.9
Visc @ 100°C	cSt	---	---	12.7	---



CONTAMINATION

Silicon	ppm	9	30	6	46
Sodium	ppm	0	2	2	9
Potassium	ppm	2	3	4	2



WEAR METALS

Iron	ppm	70	105	15	115
Copper	ppm	2	6	14	5
Lead	ppm	0	<1	1	0
Tin	ppm	0	0	1	0
Aluminum	ppm	2	2	2	<1
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	7	8	9	12
Nickel	ppm	<1	<1	5	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	14	72	1416	49
Magnesium	ppm	1	<1	635	1
Zinc	ppm	36	173	860	70
Phosphorus	ppm	601	1341	694	2295
Barium	ppm	<1	<1	<1	0
Boron	ppm	38	29	27	198

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.

Depot: DUNBEL
Unique No: 10702401
Signed: Wes Davis
Report Date: 23 Oct 2023



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GRAPHS

