



CONSTRUCTION EQUIPMENT

SWA311393 RENTAL VOLVO A45G 342479 - WET DISC BRAKE



Sample No: VCP409164
Oil Type: VOLVO WB 102
Job No: SWA311393 RENTAL



SAMPLE INFORMATION

Sample Number	VCP409164	VCP387207	VCP364834	VCP372488
Sample Date	28 Jul 2023	27 Oct 2022	24 Aug 2022	25 Jun 2022
Machine Hours	9012	6690	6068	6550
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

ALTA CONSTRUCTION EQUIPMENT
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 Contact: ALEX MARCO
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OIL CONDITION

Visc @ 40°C	cSt	39.8	39.9	39.8	40.1
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CONTAMINATION

Silicon	ppm	18	20	21	24
Sodium	ppm	7	7	6	8
Potassium	ppm	1	0	0	2



WEAR METALS

Iron	ppm	47	66	74	98
Copper	ppm	268	324	339	340
Lead	ppm	0	3	3	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	1	1	2
Chromium	ppm	<1	2	2	3
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	8	10	10	8
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	<1	<1
Manganese	ppm	2	2	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3330	3193	3191	3728
Magnesium	ppm	7	10	11	10
Zinc	ppm	1476	1386	1345	1551
Phosphorus	ppm	1387	1231	1176	1322
Barium	ppm	0	0	0	0
Boron	ppm	108	91	122	115

Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. The iron level is abnormal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO5055
Unique No: 10589816
Signed: Don Baldrige
Report Date: 09 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

