



CONSTRUCTION EQUIPMENT

12058 VOLVO A30D 12117 - DROP BOX



Sample No: VCP443158
Oil Type: MOBIL MOBILUBE HD PLUS 85W140
Job No: 12058



SAMPLE INFORMATION

Sample Number	VCP443158	VCP363760	VCP374834	VCP284653
Sample Date	08 Feb 2024	11 Aug 2022	09 Aug 2022	10 Aug 2020
Machine Hours	12796	10465	10465	11690
Oil Hours	0	2000	2000	1500
Oil Changed	N/A	Changed	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 55.5	221	■ 339	■ 238
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 10	■ 9	■ 6	■ 10
Sodium	ppm	■ 0	■ 4	■ 2	■ 3
Potassium	ppm	■ 1	■ 0	■ 1	■ 0



WEAR METALS

Iron	ppm	■ 18	■ 31	■ 20	■ 23
Copper	ppm	■ 2	■ 4	■ <1	■ <1
Lead	ppm	■ 0	■ <1	■ <1	■ 0
Tin	ppm	■ 0	■ <1	■ <1	■ 0
Aluminum	ppm	■ 2	■ 6	■ 2	■ 2
Chromium	ppm	■ <1	■ <1	■ 0	■ 0
Molybdenum	ppm	■ <1	■ 5	■ <1	■ 5
Nickel	ppm	■ 0	■ <1	■ 0	■ 0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	1	<1	<1
Manganese	ppm	■ 0	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 44	■ 233	■ 48	■ 310
Magnesium	ppm	■ 5	■ 25	■ 6	■ 18
Zinc	ppm	▲ 16	■ 140	■ 36	■ 159
Phosphorus	ppm	▲ 2610	■ 863	■ 981	■ 918
Barium	ppm	■ 12	■ <1	■ 2	■ 0
Boron	ppm	■ 287	■ 146	■ 200	■ 203

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: JAAPHI
Unique No: 10876598
Signed: Jonathan Hester
Report Date: 19 Feb 2024



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GRAPHS

