



CONSTRUCTION EQUIPMENT

12046 VOLVO A35D 72314 - DROP BOX



Sample No: VCP443156
Oil Type: MOBIL MOBILUBE HD PLUS 85W140
Job No: 12046



SAMPLE INFORMATION

Sample Number	VCP443156	VCP389236	VCP310257	VCP264186
Sample Date	06 Feb 2024	30 Sep 2022	29 Jul 2021	30 Jan 2020
Machine Hours	11246	10575	9836	8935
Oil Hours	0	2000	1500	1000
Oil Changed	N/A	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 55.4	■ 254	■ 252	■ 253
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 5	■ 26	■ 30	■ 18
Sodium	ppm	■ 0	■ 2	■ 2	■ 2
Potassium	ppm	■ 1	■ 1	■ 3	■ 2



WEAR METALS

Iron	ppm	■ 20	■ 84	■ 96	■ 99
Copper	ppm	■ 1	■ 4	■ 2	■ <1
Lead	ppm	■ 0	■ <1	■ <1	■ <1
Tin	ppm	■ 0	■ 0	■ <1	■ <1
Aluminum	ppm	■ 2	■ 10	■ 11	■ 4
Chromium	ppm	■ <1	■ <1	■ <1	■ 1
Molybdenum	ppm	■ 1	■ 5	■ 5	■ 4
Nickel	ppm	■ 0	■ 0	■ <1	■ <1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ 2	■ 2	■ 2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 44	■ 164	■ 178	■ 193
Magnesium	ppm	■ 4	■ 36	■ 39	■ 32
Zinc	ppm	▲ 16	■ 139	■ 132	■ 116
Phosphorus	ppm	▲ 2568	■ 878	■ 916	■ 875
Barium	ppm	■ 12	■ 0	■ 0	■ 0
Boron	ppm	■ 283	■ 52	■ 122	■ 74

Diagnosis

No corrective action is recommended at this time. 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 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: 10876594
Signed: Jonathan Hester
Report Date: 19 Feb 2024



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VOLVO GRAPHS

