



CONSTRUCTION EQUIPMENT

12046 VOLVO A35D 72314 - REAR AXLE



Sample No: VCP443172
Oil Type: MOBIL MOBILUBE HD PLUS 85W140
Job No: 12046



SAMPLE INFORMATION

Sample Number	VCP443172	VCP388879	VCP310230	VCP246380
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	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	292	249	248	254
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	9	12	7
Sodium	ppm	<1	1	2	2
Potassium	ppm	0	0	<1	<1

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	28	40	53	34
Copper	ppm	<1	3	3	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	2	3	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	5	5	5
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	97	200	240	223
Magnesium	ppm	11	35	41	36
Zinc	ppm	60	123	125	115
Phosphorus	ppm	528	856	951	867
Barium	ppm	0	0	0	0
Boron	ppm	66	144	253	128

Depot: JAAPHI
Unique No: 10873741
Signed: Sean Felton
Report Date: 13 Feb 2024



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GRAPHS

