



CONSTRUCTION EQUIPMENT

A11511 VOLVO A30D 74083 - REAR AXLE



Sample No: VCP434166
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A11511



SAMPLE INFORMATION

Sample Number	VCP434166	VCP425512	VCP377093	VCP308438
Sample Date	20 Nov 2023	27 Jun 2023	06 May 2022	10 May 2021
Machine Hours	13990	13545	12906	12290
Oil Hours	1000	500	0	2000
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
BIRDSBORO, PA
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OIL CONDITION

Visc @ 40°C	cSt	170	172	172	301
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	15	10	24
Sodium	ppm	2	2	<1	2
Potassium	ppm	1	1	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	56	48	31	41
Copper	ppm	3	3	2	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	3	4	3	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	5
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	37	58	922
Magnesium	ppm	6	4	4	37
Zinc	ppm	15	13	21	391
Phosphorus	ppm	1048	1036	1065	983
Barium	ppm	0	0	0	0
Boron	ppm	177	226	219	127

Depot: DYEBIR
Unique No: 10765321
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

