



CONSTRUCTION EQUIPMENT

A10936 VOLVO A30G 742440 - FRONT AXLE



Sample No: VCP421858
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A10936



SAMPLE INFORMATION

Sample Number	VCP421858	VCP361604	VCP261248	VCP253737
Sample Date	25 Aug 2023	05 Mar 2022	30 Oct 2020	13 Mar 2020
Machine Hours	3180	1990	1040	525
Oil Hours	1180	1000	1040	525
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	286	293	209	62.5
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CONTAMINATION

Water	%	▲ 0.224	---	---	---
Silicon	ppm	7	4	2	2
Sodium	ppm	1	<1	2	5
Potassium	ppm	2	0	0	2

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	83	113	97	155
Copper	ppm	6	3	4	10
Lead	ppm	0	0	0	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	5
Molybdenum	ppm	<1	2	3	12
Nickel	ppm	<1	0	0	2
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	3	4	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	78	64	55	54
Magnesium	ppm	0	3	5	<1
Zinc	ppm	24	14	12	5
Phosphorus	ppm	1072	1072	1074	1411
Barium	ppm	0	0	<1	1
Boron	ppm	211	187	184	178

Depot: KCCIVY
Unique No: 10648992
Signed: Sean Felton
Report Date: 19 Sep 2023



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GRAPHS

