



CONSTRUCTION EQUIPMENT

VOLVO A40G 341 127 - HYDRAULIC SYSTEM



Sample No: VCP447490

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP447490	VCP416752	VCP404576	VCP385138
Sample Date	07 May 2024	06 Feb 2024	24 Oct 2023	27 Apr 2023
Machine Hours	14841	14222	13756	12838
Oil Hours	619	1865	1399	481
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ABNORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	38.3	39.5	39.4	39.6
Acid Number (AN)	mg KOH/g	1.13	1.16	1.828	1.04



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		29077	1883	21397	24404
Particles >6µm		5986	419	6810	6941
Particles >14µm		187	19	536	245
ISO 4406:1999 (c)		22/20/15	18/16/11	22/20/16	22/20/15
Silicon	ppm	13	13	20	15
Sodium	ppm	3	4	2	3
Potassium	ppm	0	0	<1	0

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	2	2	3	3
Copper	ppm	2	3	2	3
Lead	ppm	0	1	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	3	3	1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	1	1	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3001	2829	2979	3066
Magnesium	ppm	19	15	24	24
Zinc	ppm	975	906	1081	1071
Phosphorus	ppm	846	814	874	878
Barium	ppm	0	0	0	0
Boron	ppm	0	<1	2	2

Depot: SCHGRE
Unique No: 11032589
Signed: Jonathan Hester
Report Date: 20 May 2024



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VOLVO GRAPHS

