



CONSTRUCTION EQUIPMENT

VOLVO A30G 742109 - DROP BOX



Sample No: VCP440602
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP440602	VCP397475	VCP359707	VCP326897
Sample Date	03 Oct 2023	16 Jan 2023	25 Jul 2022	02 Sep 2021
Machine Hours	9870	8854	8025	6485
Oil Hours	0	1500	4000	2000
Oil Changed	N/A	Not Chngd	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 46.8	■ 218	■ 236	■ 236
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CONTAMINATION

Silicon	ppm	■ 12	■ 7	■ 9	■ 8
Sodium	ppm	■ <1	■ 2	■ 0	■ 2
Potassium	ppm	■ 0	■ <1	■ 2	■ 1



WEAR METALS

Iron	ppm	■ 12	■ 148	■ 51	■ 39
Copper	ppm	■ 1	■ 15	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ <1	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	■ 2	■ <1	■ 10	■ 8
Chromium	ppm	■ 0	■ 2	■ <1	■ <1
Molybdenum	ppm	■ 0	■ 5	■ 4	■ 1
Nickel	ppm	■ 0	■ 1	■ 0	■ <1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	■ <1	■ 2	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 3373	■ 526	■ 98	■ 58
Magnesium	ppm	▲ 24	■ 30	■ 18	■ 16
Zinc	ppm	■ 1434	■ 256	■ 53	38
Phosphorus	ppm	■ 1159	■ 996	■ 1042	■ 897
Barium	ppm	■ <1	■ 0	■ 0	■ 0
Boron	ppm	▲ 111	■ 146	■ 138	■ 176

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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: RIPTAM
Unique No: 10699896
Signed: Sean Felton
Report Date: 19 Oct 2023



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GRAPHS

