



CONSTRUCTION EQUIPMENT

405980 CARR BROS VOLVO A40F 11213 - REAR AXLE



Sample No: VCP382975
Oil Type: NOT GIVEN
Job No: 405980 CARR BROS



SAMPLE INFORMATION

Sample Number	VCP382975	VCE159419	VCE114704	VCE114697
Sample Date	01 Dec 2023	27 Jun 2012	09 May 2012	08 May 2012
Machine Hours	15931	1568	1047	0
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
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OIL CONDITION

Visc @ 40°C	cSt	98.8	119.6	66.56	63.46
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	7	6	3
Sodium	ppm	0	3	1	<1
Potassium	ppm	1	0	4	3



WEAR METALS

Iron	ppm	16	12	170	209
Copper	ppm	<1	<1	2	3
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	<1	1	1
Chromium	ppm	<1	<1	3	4
Molybdenum	ppm	<1	0	14	11
Nickel	ppm	0	0	<1	1
Titanium	ppm	<1	<1	6	4
Silver	ppm	0	0	0	0
Manganese	ppm	2	0	12	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	41	37	106	121
Magnesium	ppm	3	0	0	0
Zinc	ppm	6	18	10	7
Phosphorus	ppm	556	1584	1445	1247
Barium	ppm	0	0	0	0
Boron	ppm	32	241	172	162

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 75W90 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. 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.

Depot: VOLVO2990
Unique No: 10803039
Signed: Wes Davis
Report Date: 22 Dec 2023



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GRAPHS

