



CONSTRUCTION EQUIPMENT

608826 VOLVO A40D 70043 - FRONT AXLE



Sample No: VCP439191
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 608826



SAMPLE INFORMATION

Sample Number	VCP439191	VCP177200	VCP187299	VCP166598
Sample Date	22 May 2024	26 Feb 2016	17 Jul 2015	16 Mar 2015
Machine Hours	15722	8568	7897	7459
Oil Hours	0	2000	0	1250
Oil Changed	N/A	Changed	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BLENHEIM CONSTRUCTION

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OIL CONDITION

Visc @ 40°C	cSt	103.2	120.5	120.5	122.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	2
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	2	0	<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 component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	160	46	38	36
Copper	ppm	<1	4	3	2
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	2	<1	1	<1
Molybdenum	ppm	6	3	3	3
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	11	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	127	290	315	317
Magnesium	ppm	0	18	18	11
Zinc	ppm	46	136	139	135
Phosphorus	ppm	1487	867	1011	844
Barium	ppm	0	0	0	0
Boron	ppm	354	106	108	110

Depot: BLECAM
Unique No: 11056508
Signed: Jonathan Hester
Report Date: 03 Jun 2024



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VOLVO GRAPHS

