



CONSTRUCTION EQUIPMENT

A11843 VOLVO L220H 2992 - FRONT AXLE



Sample No: VCP442546
Oil Type: MOBIL WB 102
Job No: A11843



SAMPLE INFORMATION

Sample Number	VCP442546	VCP413723	VCP421957	VCP342645
Sample Date	08 Jan 2024	10 Aug 2023	04 May 2023	30 Jan 2023
Machine Hours	16170	14860	13949	13050
Oil Hours	2000	1000	0	2000
Oil Changed	Changed	Not Chngd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

WHEELABRATOR
 1201 NEW FORD MILL RD
 MORRISVILLE, PA
 US 19067
 Contact: FRANK BOLTON
 fbolton@wtienergy.com
 T: (215)428-7915
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.2	45.6	46.7	42.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	10	9	11
Sodium	ppm	1	<1	2	8
Potassium	ppm	1	0	3	<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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	52	34	22	170
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	2	<1	2
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	3	3	5	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3146	3412	3651	3358
Magnesium	ppm	47	49	58	18
Zinc	ppm	1418	1429	1570	1390
Phosphorus	ppm	1197	1140	1245	1087
Barium	ppm	0	0	0	0
Boron	ppm	98	106	117	111

Depot: WHEMOR
Unique No: 10836577
Signed: Wes Davis
Report Date: 19 Jan 2024



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GRAPHS

