



CONSTRUCTION EQUIPMENT

A11686 BUCKLEY VOLVO L60H 621942 - FRONT AXLE



Sample No: VCP429686
Oil Type: MOBIL WB 102
Job No: A11686 BUCKLEY



SAMPLE INFORMATION

Sample Number	VCP429686	VCP422784	VCP400282	VCP367253
Sample Date	14 Dec 2023	17 May 2023	19 Jan 2023	15 Sep 2022
Machine Hours	4010	2980	2482	2015
Oil Hours	2000	1000	0	1000
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 40°C	cSt	41.2	41.4	42.3	50.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	13	12	15
Sodium	ppm	<1	3	2	5
Potassium	ppm	0	0	0	0

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	32	19	15	51
Copper	ppm	<1	<1	0	<1
Lead	ppm	1	<1	1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	1	<1	<1	2
Molybdenum	ppm	1	1	1	12
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	<1	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3922	4408	4266	3448
Magnesium	ppm	10	31	25	89
Zinc	ppm	1585	1651	1720	1423
Phosphorus	ppm	1239	1354	1317	1109
Barium	ppm	0	0	0	0
Boron	ppm	146	143	140	110

Depot: VOLVO8879
Unique No: 10796064
Signed: Wes Davis
Report Date: 21 Dec 2023

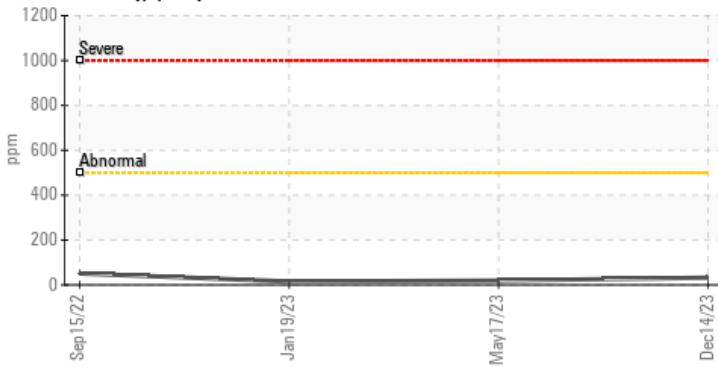


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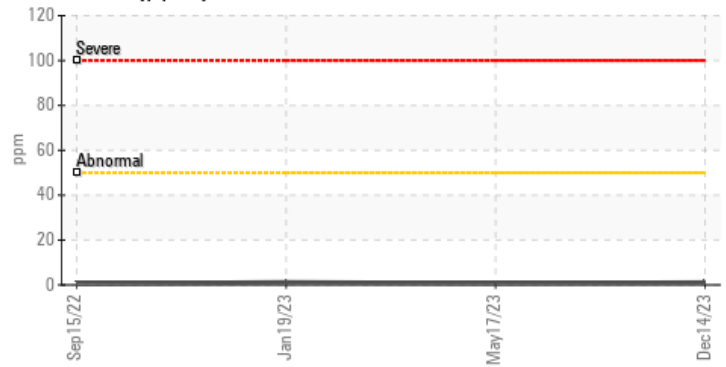


GRAPHS

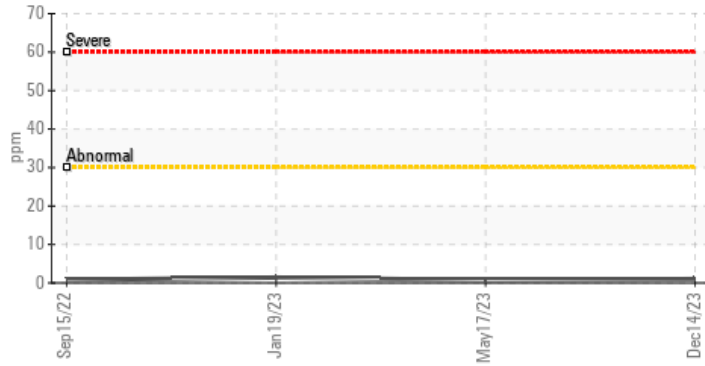
Iron (ppm)



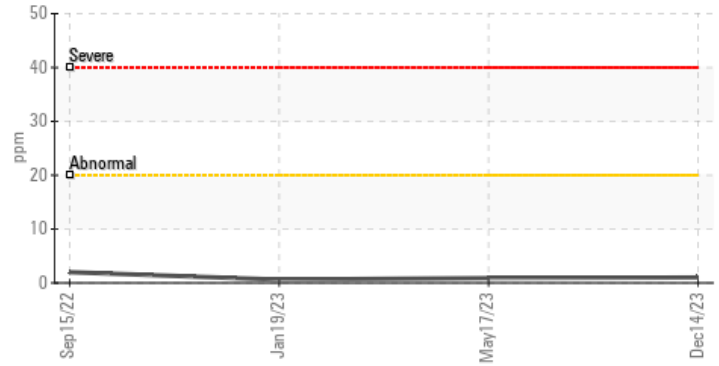
Lead (ppm)



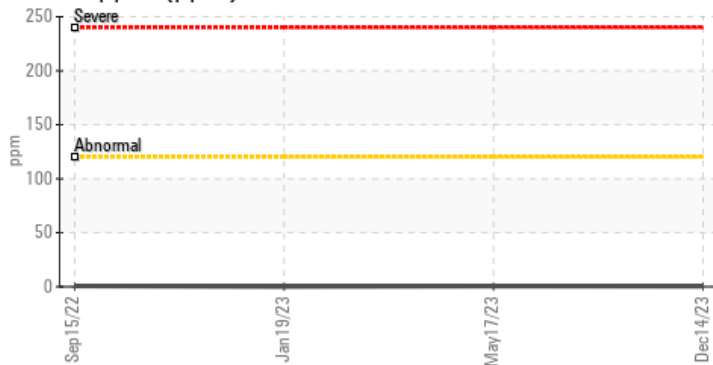
Aluminum (ppm)



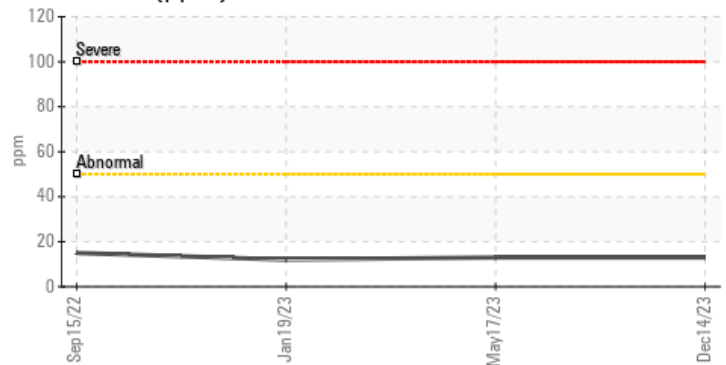
Chromium (ppm)



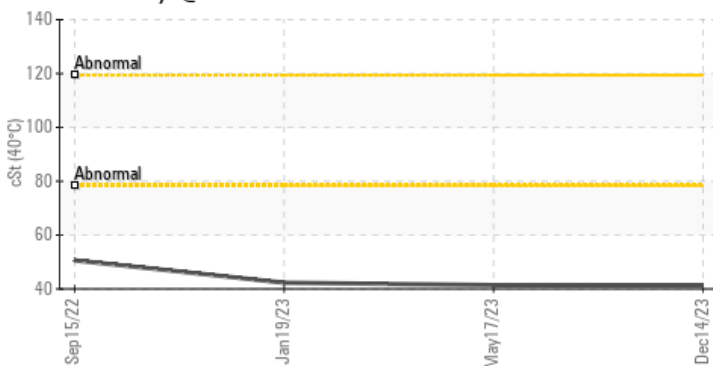
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

