



# CONSTRUCTION EQUIPMENT

## VOLVO L60H 622626 - DIESEL ENGINE



**Sample No:** VCP424238  
**Oil Type:** MOBIL DELVAC 1 5W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP424238	VCP424233	VCP365006	VCP335415
Sample Date	20 Feb 2024	30 Oct 2023	21 Jul 2023	07 May 2023
Machine Hours	5200	4600	4000	3500
Oil Hours	600	600	500	700
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**MAPLE RIDGE HARDWOODS**  
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 STERLING, MI  
 US 48659  
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 mapleridge.shop@aol.com  
 T: (989)873-8185  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	13.7	13.5	13.6	13.4
Base Number (BN)	mg KOH/g	4.8	5.8	6.4	5.1
Oxidation (PA)	%	186	182	176	186

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.5	0.5	0.5	0.5
Nitration (PA)	%	91	83	83	86
Sulfation (PA)	%	109	107	105	110
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	4	5
Sodium	ppm	2	0	1	<1
Potassium	ppm	2	0	1	2



### WEAR METALS

Iron	ppm	21	16	19	28
Copper	ppm	2	<1	<1	1
Lead	ppm	<1	0	0	1
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	7	5	5	8
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	47	49	47	45
Nickel	ppm	<1	<1	0	1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	<1



### ADDITIVES

Calcium	ppm	930	1066	1078	970
Magnesium	ppm	850	960	952	925
Zinc	ppm	1185	1426	1341	1347
Phosphorus	ppm	897	1125	1070	1043
Barium	ppm	34	0	0	0
Boron	ppm	56	62	63	70

**Depot:** MAPSTE  
**Unique No:** 10898164  
**Signed:** Don Baldrige  
**Report Date:** 27 Feb 2024

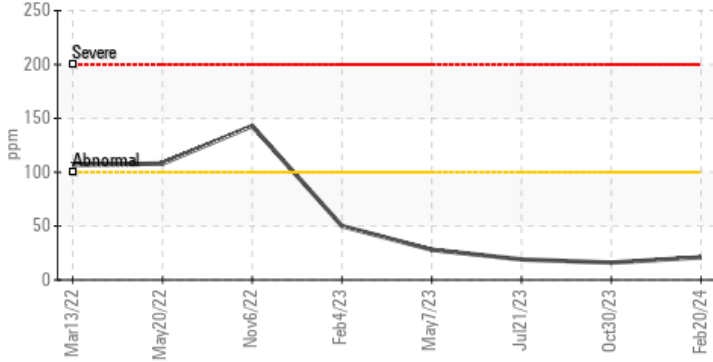


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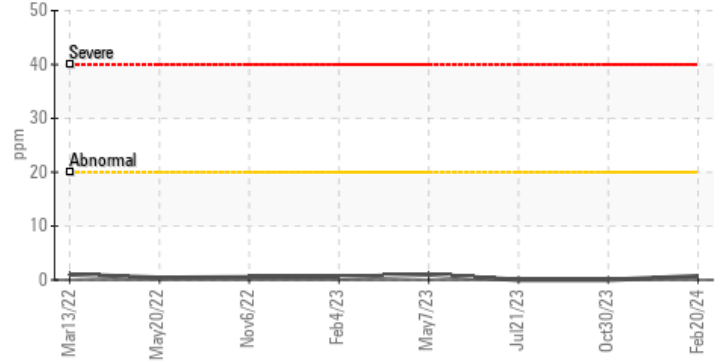


## GRAPHS

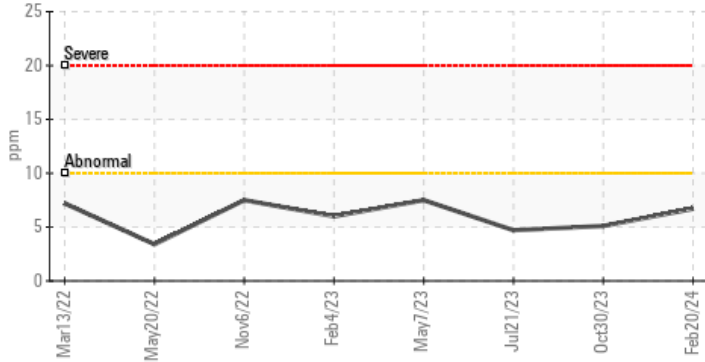
### Iron (ppm)



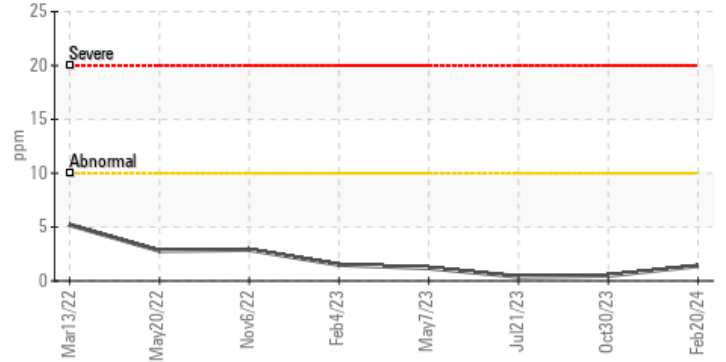
### Lead (ppm)



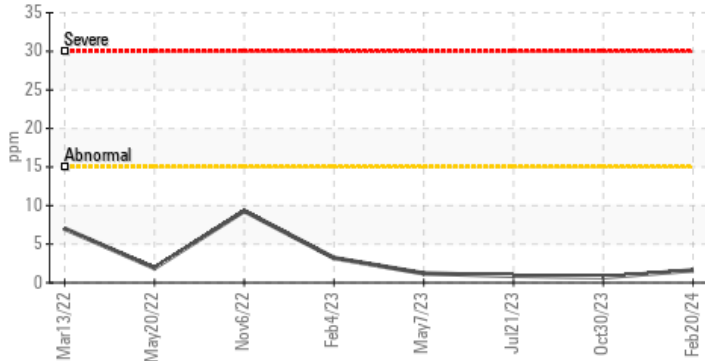
### Aluminum (ppm)



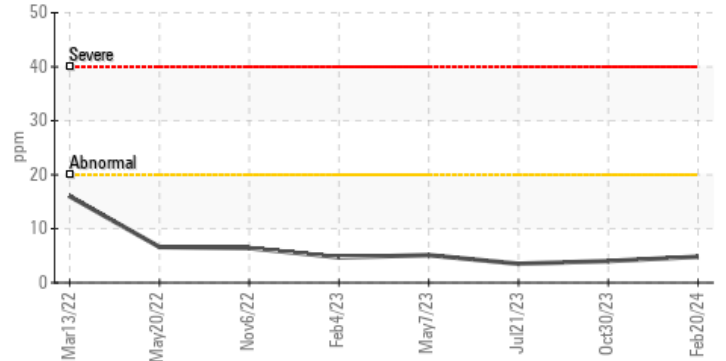
### Chromium (ppm)



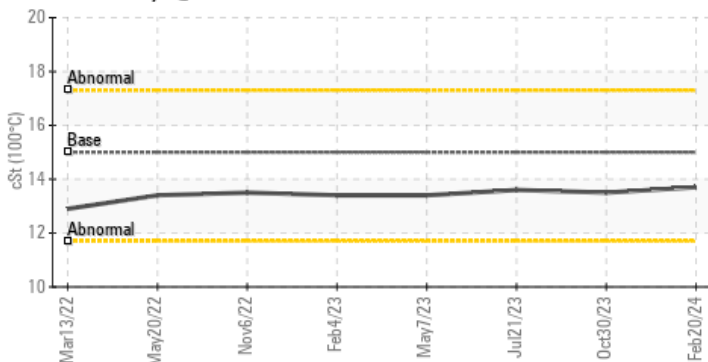
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

