



# CONSTRUCTION EQUIPMENT

## A12633 VOLVO A40G 352005 - WET DISC BRAKE



**Sample No:** VCP438206  
**Oil Type:** MOBIL WB 102  
**Job No:** A12633



### SAMPLE INFORMATION

Sample Number	<b>VCP438206</b>	VCP425731	VCP367400	VCB0000046
Sample Date	<b>06 May 2024</b>	29 Aug 2023	28 Nov 2022	23 Feb 2022
Machine Hours	<b>3670</b>	3205	2725	2080
Oil Hours	<b>2000</b>	3205	0	2080
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Oil Added
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
Contact: MATT MCCLELLAND  
matt.mcclelland@dyerquarry.com  
T:  
F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>40.6</b>	40.6	40.4	40.4
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>▲ 20</b>	17	19	19
Sodium	ppm	4	6	6	5
Potassium	ppm	2	<1	0	1

**Diagnosis**  
No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>▲ 35</b>	22	32	38
Copper	ppm	<b>▲ 299</b>	264	254	196
Lead	ppm	<1	3	4	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	<1	1	2
Chromium	ppm	1	<1	1	2
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	7	6	6	5
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	3	2	2	2
Vanadium	ppm	<1	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>3667</b>	3623	3952	4204
Magnesium	ppm	8	10	10	8
Zinc	ppm	<b>1533</b>	1530	1670	1800
Phosphorus	ppm	<b>1421</b>	1283	1361	1408
Barium	ppm	0	0	0	0
Boron	ppm	<b>121</b>	130	126	128

**Depot:** DYEBIR  
**Unique No:** 11033077  
**Signed:** Sean Felton  
**Report Date:** 20 May 2024

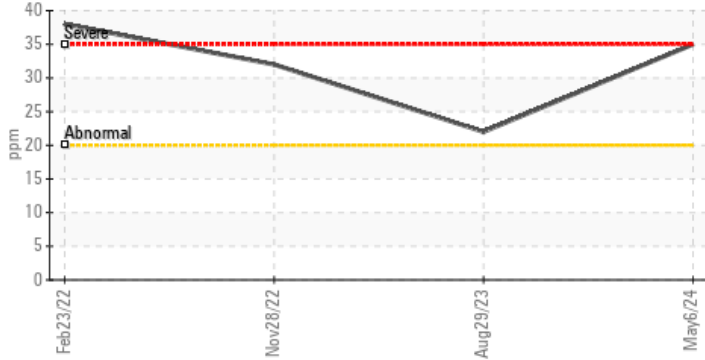


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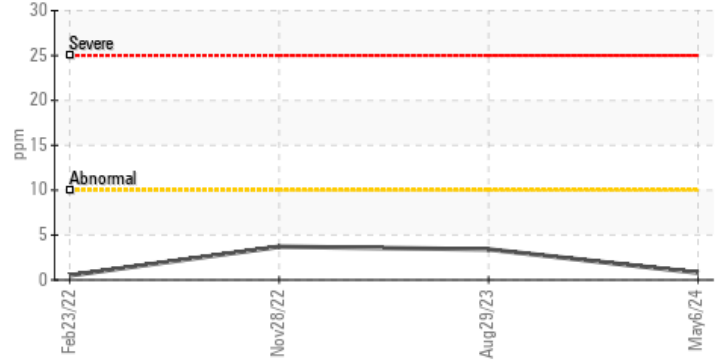


## GRAPHS

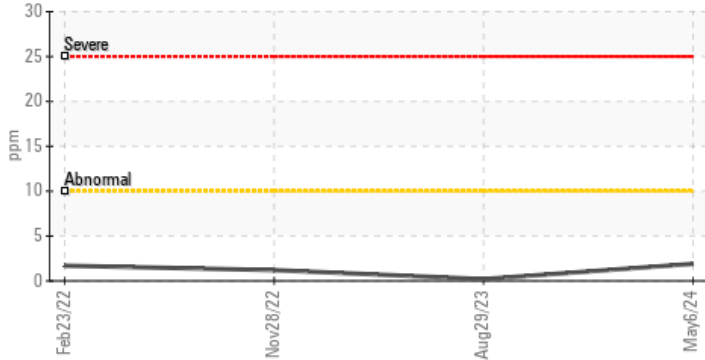
### ▲ Iron (ppm)



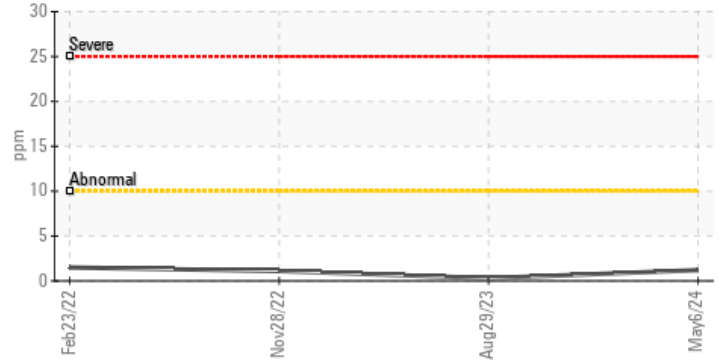
### Lead (ppm)



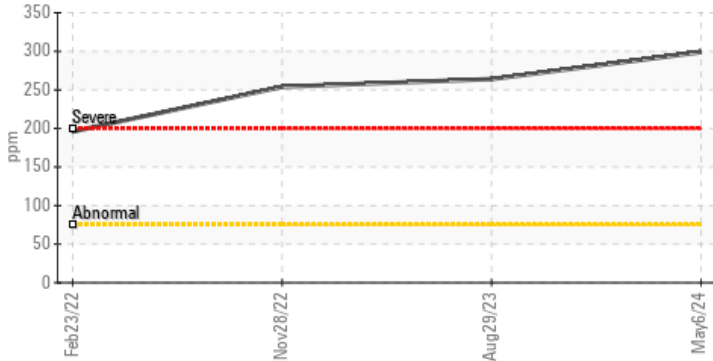
### Aluminum (ppm)



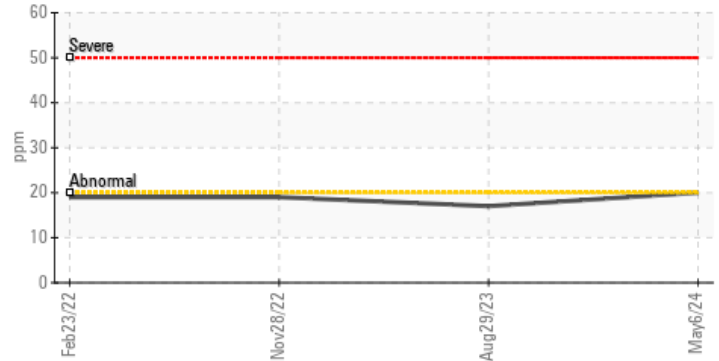
### Chromium (ppm)



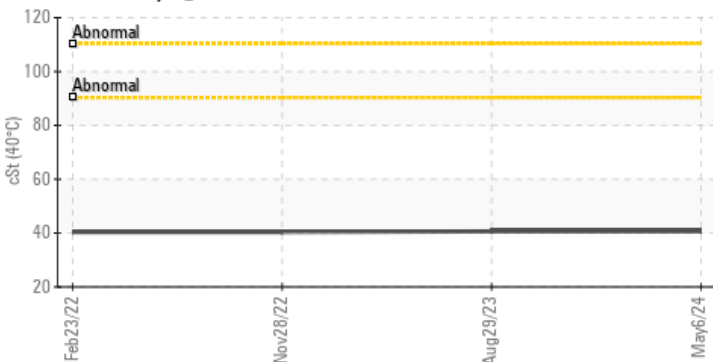
### ▲ Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

