



CONSTRUCTION EQUIPMENT

VOLVO A40G 342175 - WET DISC BRAKE



Sample No: VCP415940
Oil Type: VOLVO WB 101
Job No:



SAMPLE INFORMATION

Sample Number	VCP415940	VCP389339	VCP332927	VCP301924
Sample Date	16 Jun 2023	15 Sep 2022	01 Mar 2022	13 Jan 2021
Machine Hours	9340	8071	7189	5133
Oil Hours	0	500	1500	1000
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	MARGINAL	MARGINAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	43.6	42.3	42.6	40.0
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CONTAMINATION

Silicon	ppm	20	13	12	13
Sodium	ppm	2	4	3	8
Potassium	ppm	0	2	2	2

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	13	19	18	11
Copper	ppm	54	▲ 210	▲ 194	▲ 217
Lead	ppm	0	0	<1	4
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	12	<1	<1	0
Nickel	ppm	0	0	0	3
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3823	3887	3815	4198
Magnesium	ppm	32	13	8	11
Zinc	ppm	1580	1547	1578	1701
Phosphorus	ppm	1251	1263	1285	1367
Barium	ppm	0	0	0	0
Boron	ppm	133	121	128	122

Depot: RIPTAM
Unique No: 10552323
Signed: Don Baldrige
Report Date: 13 Jul 2023

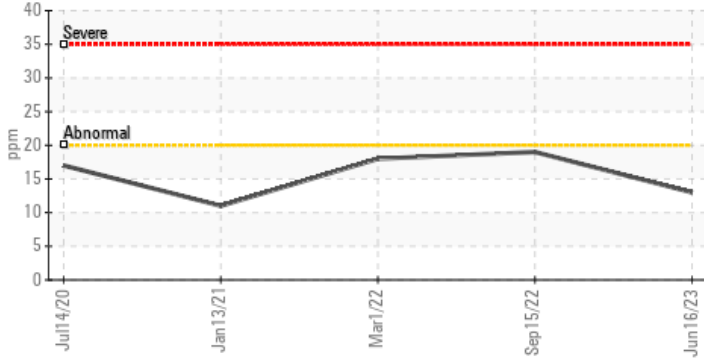


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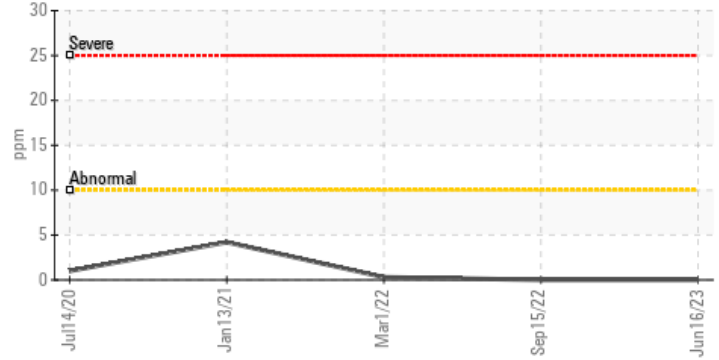


GRAPHS

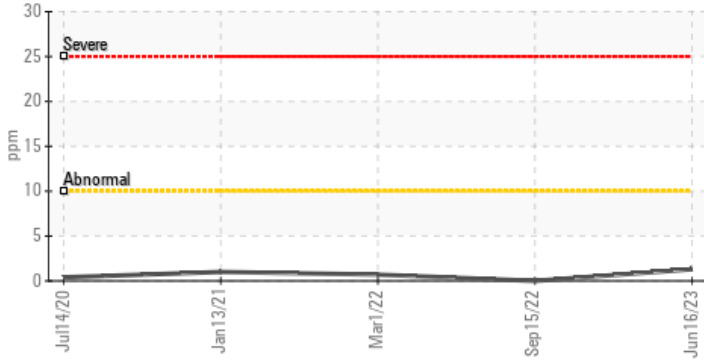
Iron (ppm)



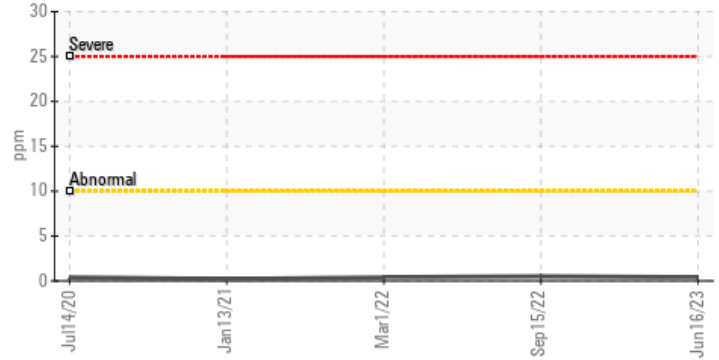
Lead (ppm)



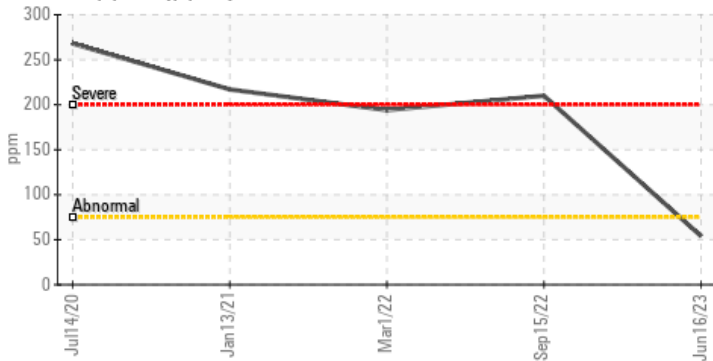
Aluminum (ppm)



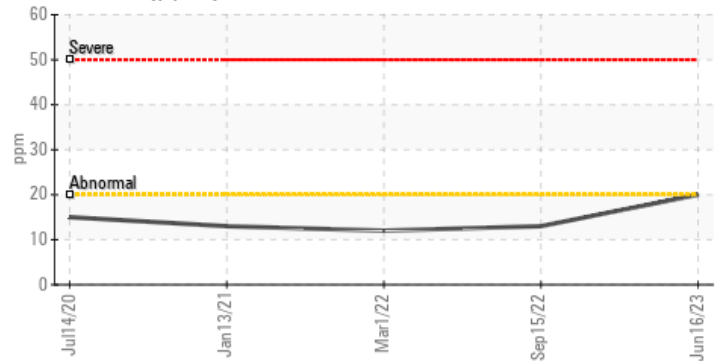
Chromium (ppm)



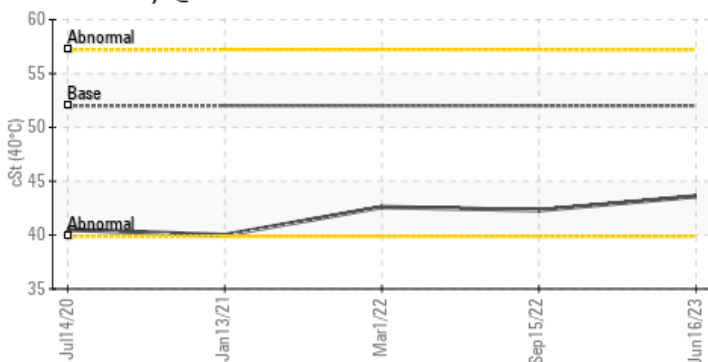
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

