



CONSTRUCTION EQUIPMENT

VOLVO A45G 352799 - BRAKE



Sample No: VCP447796

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP447796	VCP445322	VCP429354	VCP419131
Sample Date	04 Jun 2024	27 Feb 2024	25 Oct 2023	12 Jul 2023
Machine Hours	5435	4930	4451	3946
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	41.7	45.7	42.7	41.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	18	20	19
Sodium	ppm	8	8	4	10
Potassium	ppm	4	0	3	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	36	41	36	43
Copper	ppm	174	176	188	219
Lead	ppm	4	5	0	0
Tin	ppm	1	0	<1	0
Aluminum	ppm	2	2	1	2
Chromium	ppm	1	1	1	2
Molybdenum	ppm	3	1	2	<1
Nickel	ppm	5	5	6	6
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2951	3342	3414	3716
Magnesium	ppm	26	29	22	12
Zinc	ppm	1308	1390	1482	1660
Phosphorus	ppm	1103	1216	1291	1361
Barium	ppm	0	0	0	0
Boron	ppm	110	109	116	126

Depot: SAIBIR
Unique No: 11074385
Signed: Don Baldrige
Report Date: 13 Jun 2024

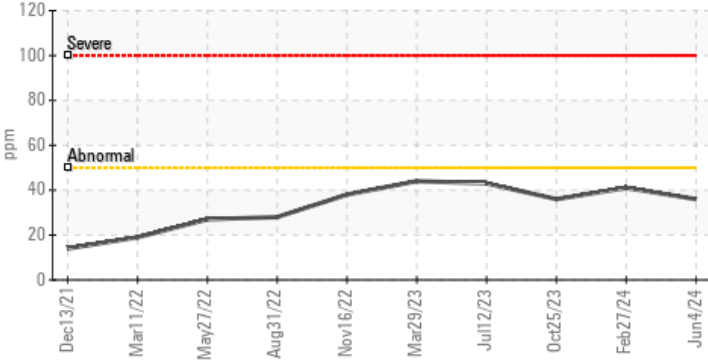


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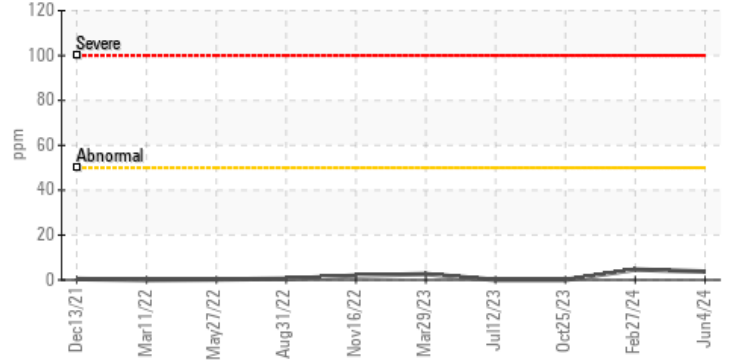


GRAPHS

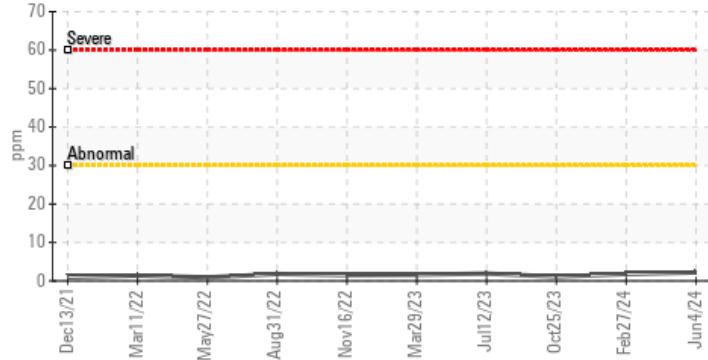
Iron (ppm)



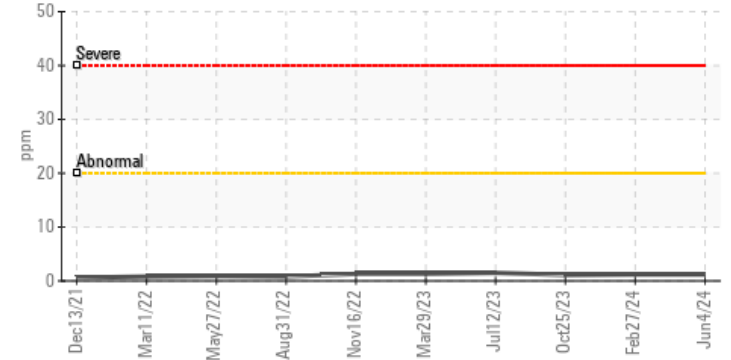
Lead (ppm)



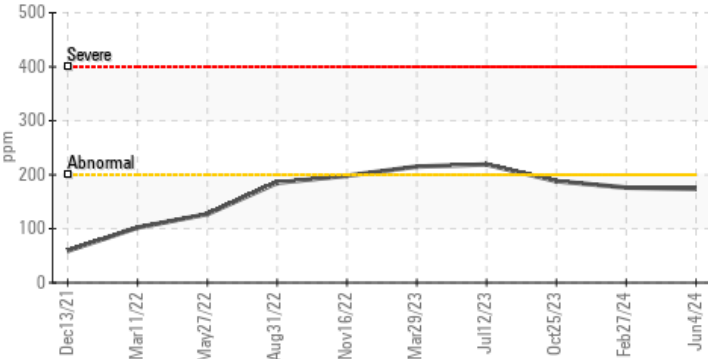
Aluminum (ppm)



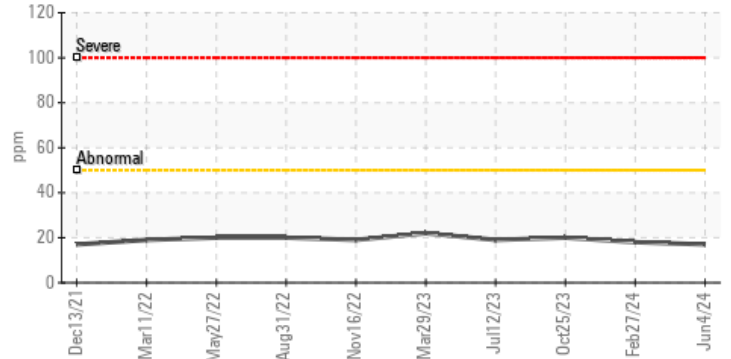
Chromium (ppm)



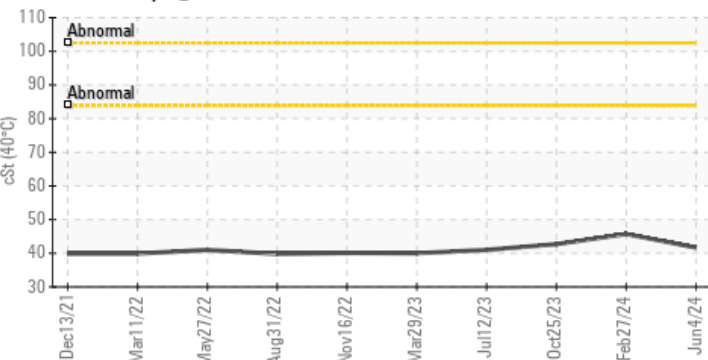
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

