



CONSTRUCTION EQUIPMENT

SWO-071569 VOLVO A45G 353090 - BRAKE



Sample No: VCP453726
Oil Type: SAE 80
Job No: SWO-071569



SAMPLE INFORMATION

Sample Number	VCP453726	VCP447538	VCP432852	VCP412727
Sample Date	02 May 2024	03 Jan 2024	19 Sep 2023	09 Jun 2023
Machine Hours	3089	2588	2023	1481
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	77.3	40.9	40.6	40.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	20	26	18	25
Sodium	ppm	11	8	9	11
Potassium	ppm	<1	3	2	0



WEAR METALS

Iron	ppm	37	37	23	31
Copper	ppm	155	209	136	88
Lead	ppm	4	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	2	3	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	6	8	6	4
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	2	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3529	4504	3287	3666
Magnesium	ppm	11	11	6	10
Zinc	ppm	1637	1983	1474	1625
Phosphorus	ppm	1403	1608	1256	1340
Barium	ppm	0	8	0	0
Boron	ppm	118	144	110	119

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.

Depot: SAIBIR
Unique No: 11020312
Signed: Angela Borella
Report Date: 13 May 2024

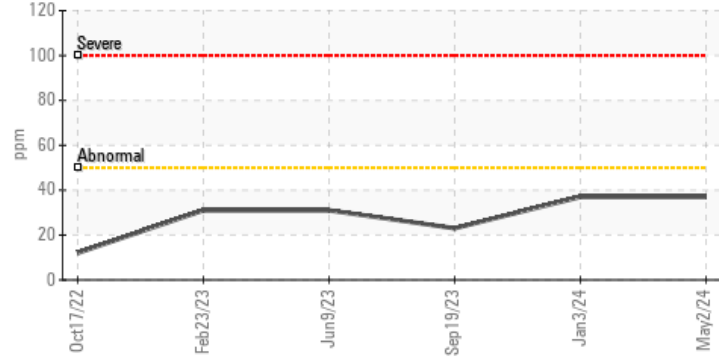


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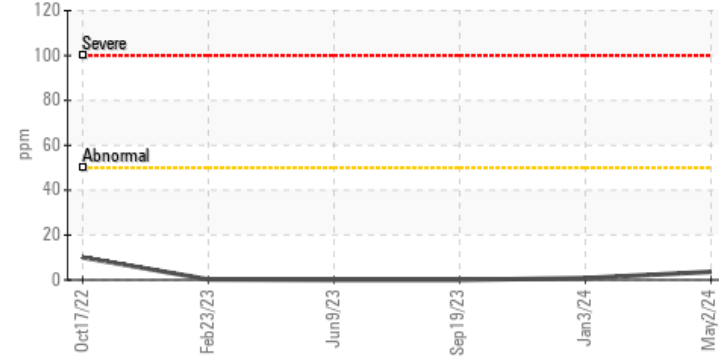


GRAPHS

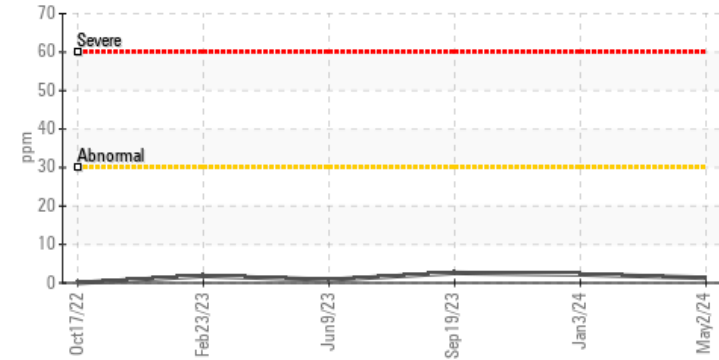
Iron (ppm)



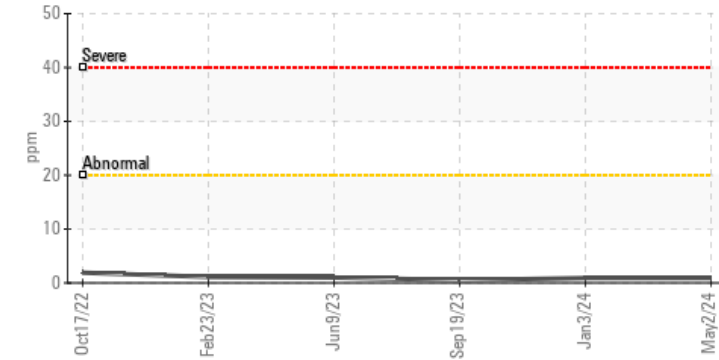
Lead (ppm)



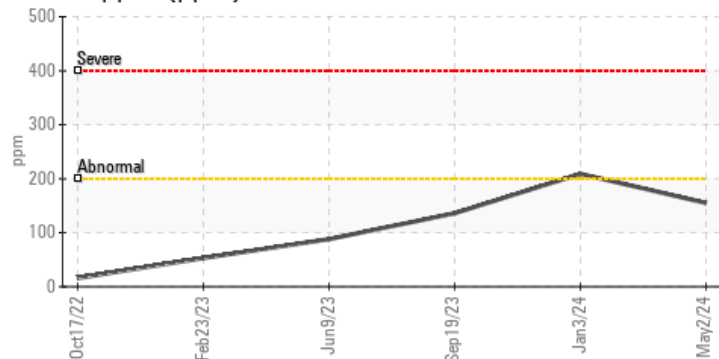
Aluminum (ppm)



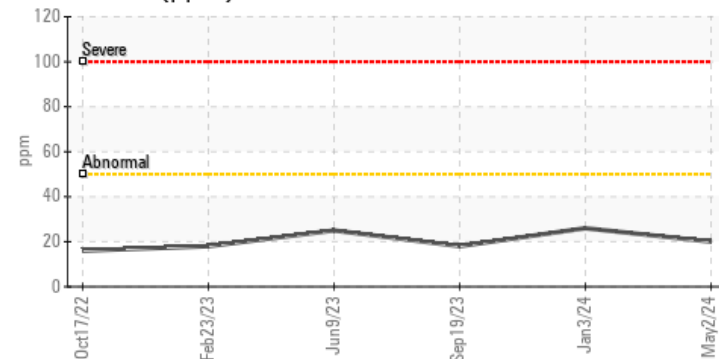
Chromium (ppm)



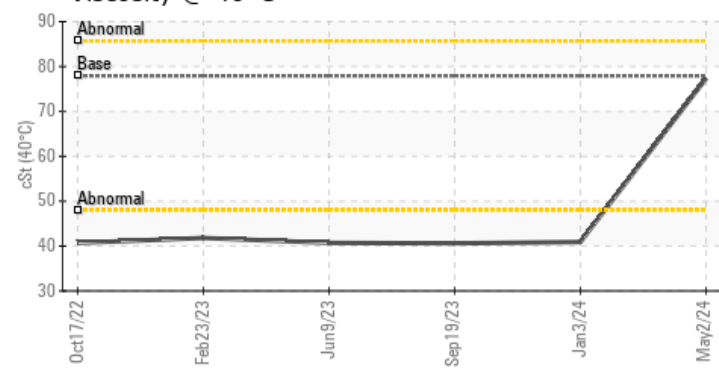
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

