



CONSTRUCTION EQUIPMENT

SWO-069432 VOLVO A45G 352565 - TRANSMISSION (AUTO)



Sample No: VCP441322
Oil Type: {unknown}
Job No: SWO-069432



SAMPLE INFORMATION

Sample Number	VCP441322	VCP432352	VCP428929	VCP416745
Sample Date	06 Feb 2024	06 Dec 2023	03 Oct 2023	31 Jul 2023
Machine Hours	9060	8568	8080	7625
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	28.0	28.3	27.5	27.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	3	4
Sodium	ppm	0	0	3	<1
Potassium	ppm	<1	2	0	<1

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	8	10	13
Copper	ppm	15	12	17	15
Lead	ppm	<1	0	0	<1
Tin	ppm	2	<1	2	2
Aluminum	ppm	5	2	8	8
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	3	1	2	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	80	78	83	87
Magnesium	ppm	3	3	5	4
Zinc	ppm	0	0	4	10
Phosphorus	ppm	201	164	133	168
Barium	ppm	0	0	0	0
Boron	ppm	96	99	70	103

Depot: SAIBIR
Unique No: 10872550
Signed: Don Baldrige
Report Date: 12 Feb 2024

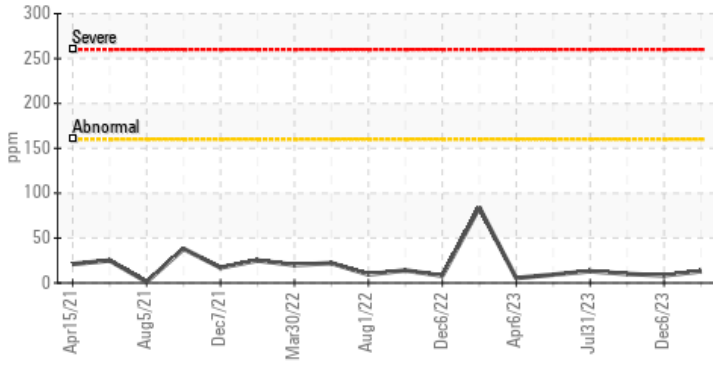


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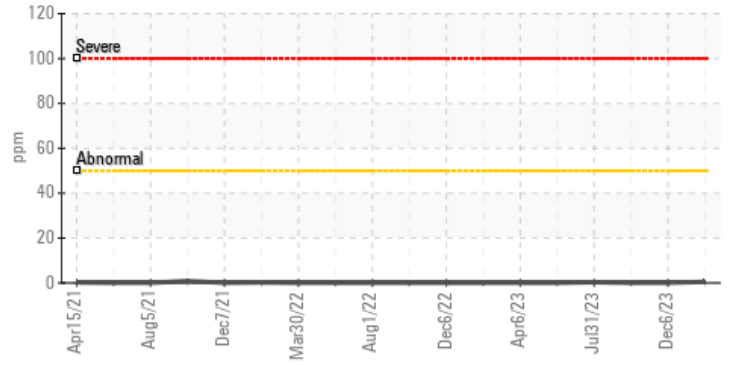


GRAPHS

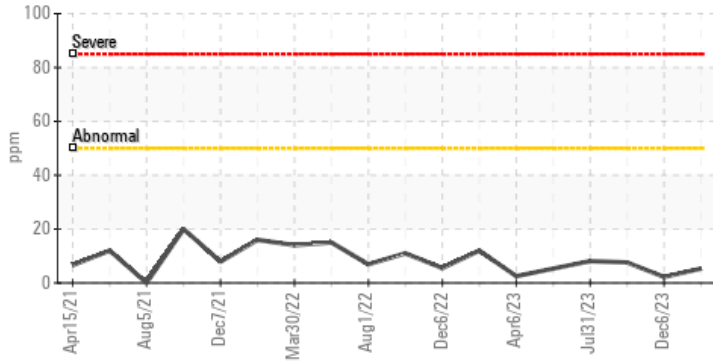
Iron (ppm)



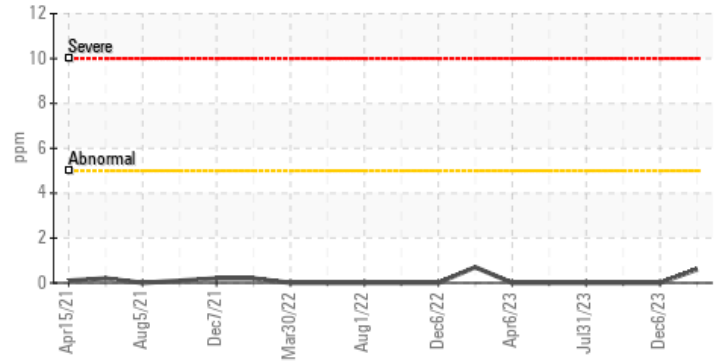
Lead (ppm)



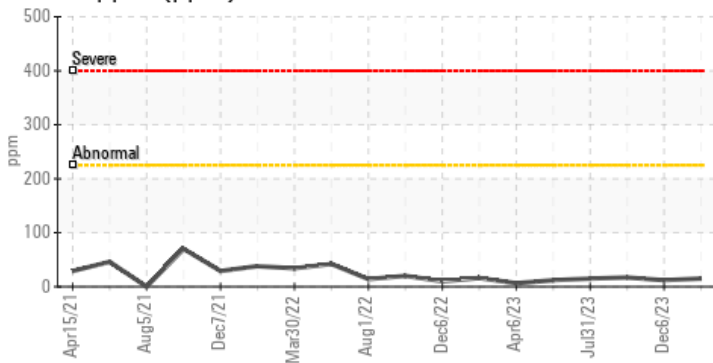
Aluminum (ppm)



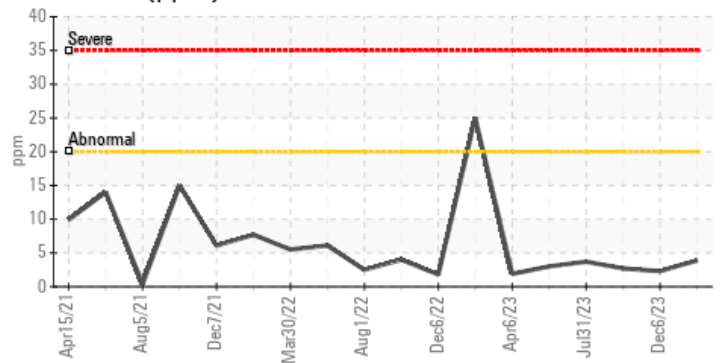
Chromium (ppm)



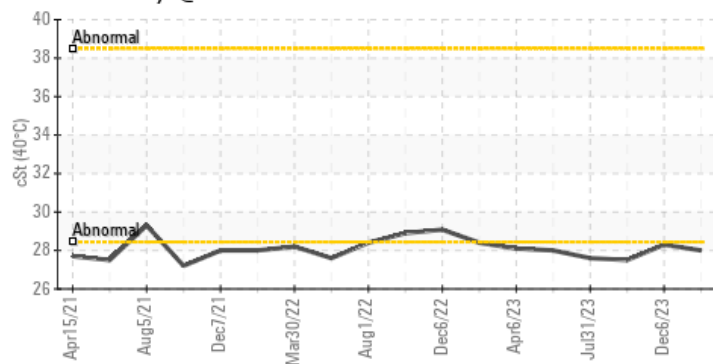
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

