



CONSTRUCTION EQUIPMENT

SWO-070876 VOLVO A30G 742048 - WET DISC BRAKE



Sample No: VCP436280
Oil Type: {unknown}
Job No: SWO-070876



SAMPLE INFORMATION

Sample Number	VCP436280	VCP415559	VCP380970	VCP372969
Sample Date	01 Apr 2024	31 Jul 2023	10 Jan 2023	10 Jul 2022
Machine Hours	9280	8911	8548	8263
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

WHITAKER CONTRACTING

692 CONVICT CAMP RD
GUNTERVILLE, AL
US 35976

Contact: BROTHER WHITAKER
BrotherWhitaker@whitaker-contracting.com
T: (256)298-3905
F:



OIL CONDITION

Visc @ 40°C	cSt	51.3	51.4	49.8	48.3
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CONTAMINATION

Water	%	0.501	NEG	0.345	NEG
Silicon	ppm	11	13	10	13
Sodium	ppm	4	4	5	6
Potassium	ppm	3	2	0	0



WEAR METALS

Iron	ppm	15	14	15	16
Copper	ppm	318	360	236	283
Lead	ppm	0	<1	3	3
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	3	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	6	7	5	2
Nickel	ppm	2	2	1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3186	3996	3419	3719
Magnesium	ppm	33	41	38	23
Zinc	ppm	1299	1623	1303	1361
Phosphorus	ppm	1105	1366	1110	1123
Barium	ppm	0	0	0	0
Boron	ppm	91	139	90	124

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: WHIGUN
Unique No: 10963667
Signed: Don Baldrige
Report Date: 08 Apr 2024

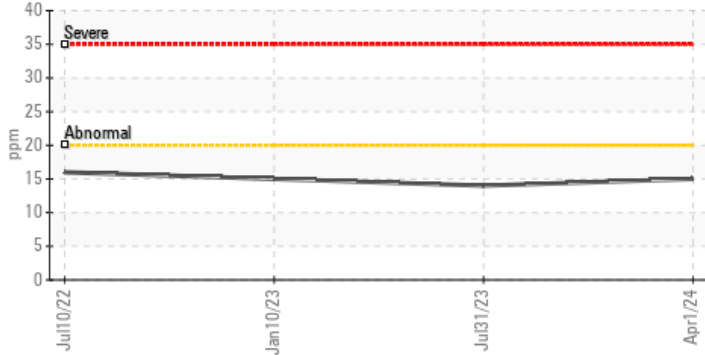


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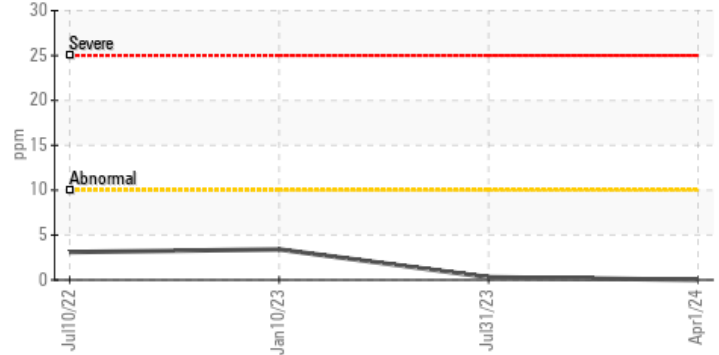


GRAPHS

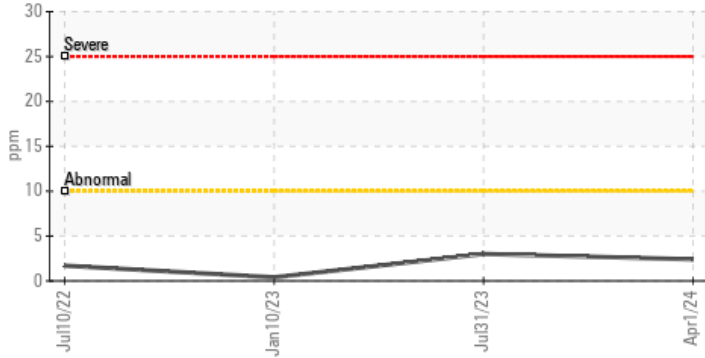
Iron (ppm)



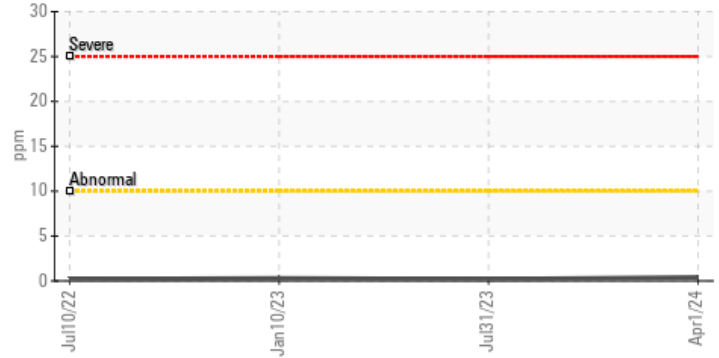
Lead (ppm)



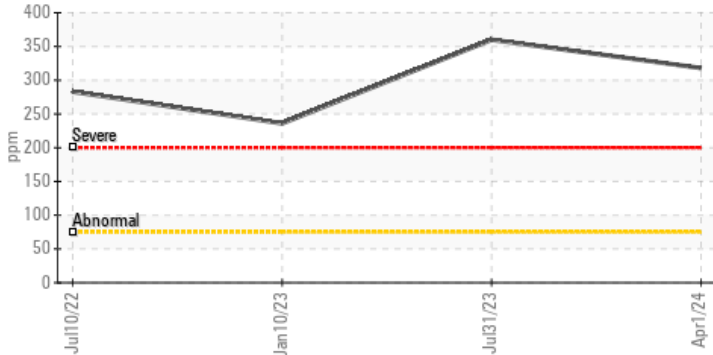
Aluminum (ppm)



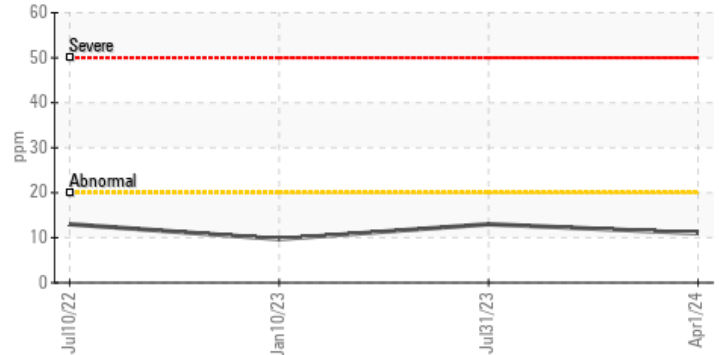
Chromium (ppm)



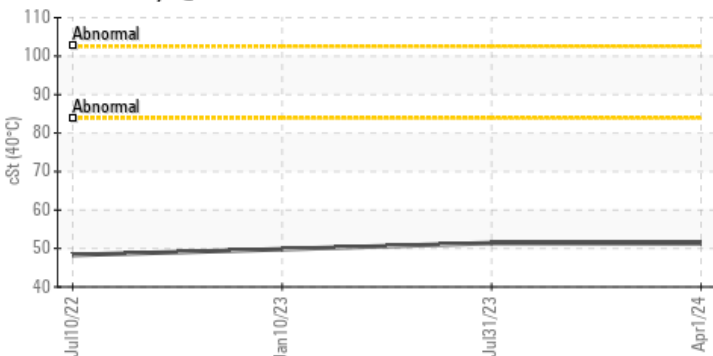
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



▲ Water

