



CONSTRUCTION EQUIPMENT

SWO-063209 VOLVO A30G 742048 - WET DISC BRAKE



Sample No: VCP415559
Oil Type: NOT GIVEN
Job No: SWO-063209



SAMPLE INFORMATION

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

WHITAKER CONTRACTING

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 GUNTERVILLE, AL
 US 35976
 Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	51.4	49.8	48.3	---
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CONTAMINATION

Water	%	---	▲ 0.345	---	---
Silicon	ppm	13	10	13	---
Sodium	ppm	4	5	6	---
Potassium	ppm	2	0	0	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	14	15	16	---
Copper	ppm	▲ 360	▲ 236	▲ 283	---
Lead	ppm	<1	3	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	3	<1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	7	5	2	---
Nickel	ppm	2	1	1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3996	3419	3719	---
Magnesium	ppm	41	38	23	---
Zinc	ppm	1623	1303	1361	---
Phosphorus	ppm	1366	1110	1123	---
Barium	ppm	0	0	0	---
Boron	ppm	139	90	124	---

Depot: WHIGUN
Unique No: 10588356
Signed: Jonathan Hester
Report Date: 07 Aug 2023

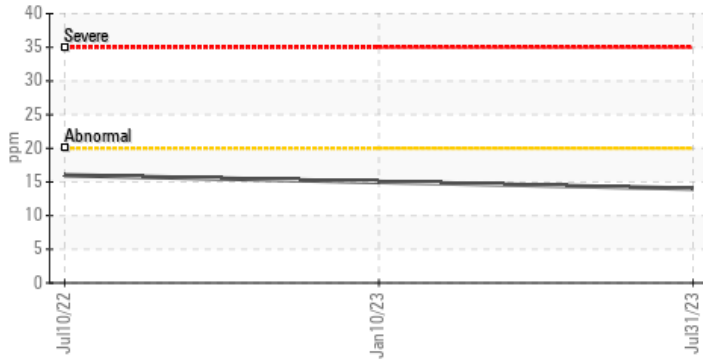


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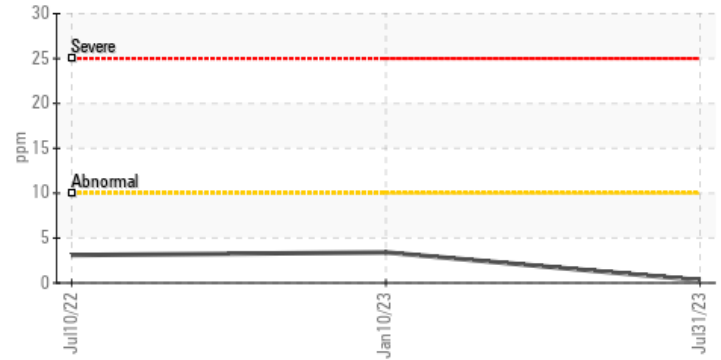


GRAPHS

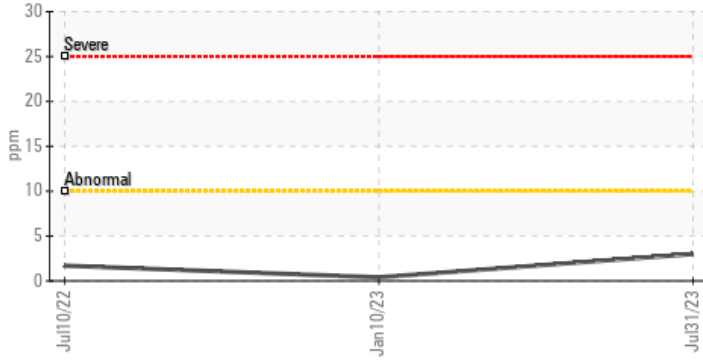
Iron (ppm)



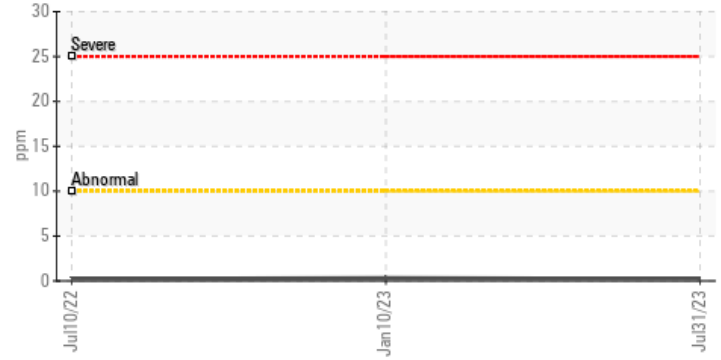
Lead (ppm)



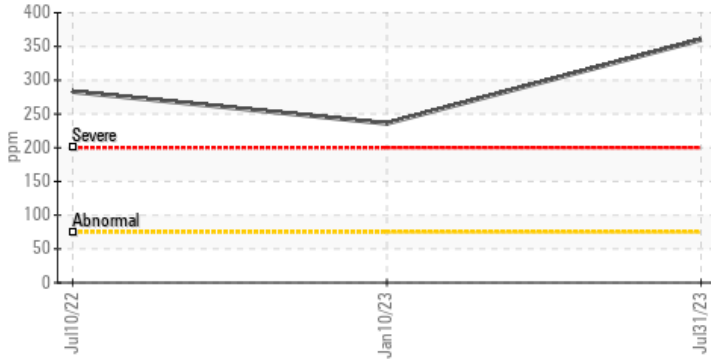
Aluminum (ppm)



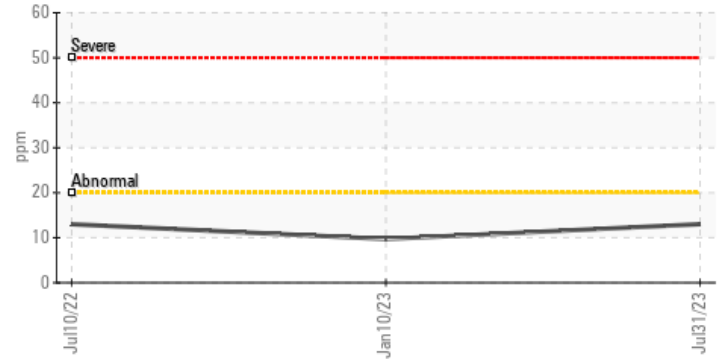
Chromium (ppm)



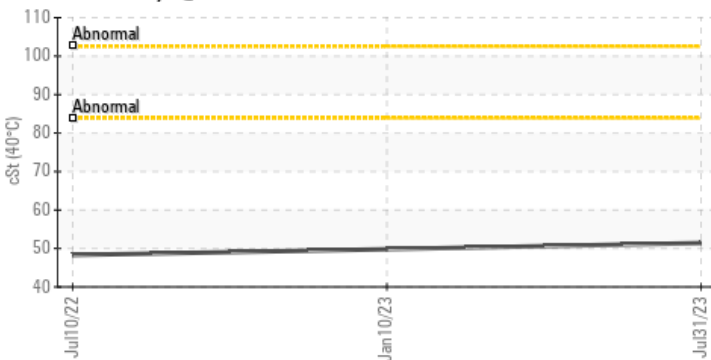
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

