



CONSTRUCTION EQUIPMENT

646466 VOLVO A30G 740270 - BRAKE COOLING SYSTEM



Sample No: VCP428687
Oil Type: VOLVO WB 102
Job No: 646466



SAMPLE INFORMATION

Sample Number	VCP428687	VCP411828	VCP424019	VCP354555
Sample Date	13 Dec 2023	25 Jul 2023	19 May 2023	01 Jun 2022
Machine Hours	11945	11247	11051	9479
Oil Hours	4000	2000	0	1000
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	48.5	47.1	45.8	43.0
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CONTAMINATION

Water	%	NEG	0.264	0.467	0.444
Silicon	ppm	16	15	16	15
Sodium	ppm	0	2	12	8
Potassium	ppm	2	<1	<1	1

Diagnosis



WEAR METALS

Iron	ppm	23	11	20	5
Copper	ppm	140	108	170	101
Lead	ppm	<1	<1	2	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	3	0	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	1	1	2	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3397	3829	3875	3862
Magnesium	ppm	17	18	24	12
Zinc	ppm	1409	1523	1524	1638
Phosphorus	ppm	1110	1291	1238	1303
Barium	ppm	0	1	0	0
Boron	ppm	128	147	143	150

Depot: RIPTAM
Unique No: 10846431
Signed: Don Baldrige
Report Date: 26 Jan 2024

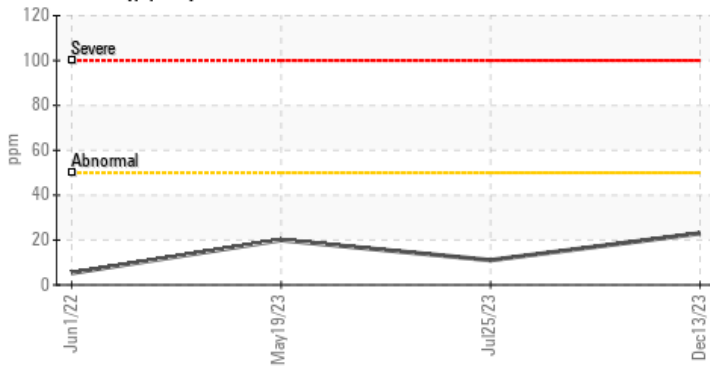


CONSTRUCTION EQUIPMENT

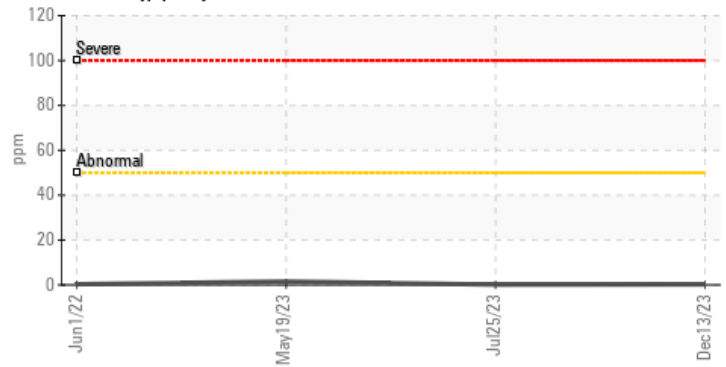


GRAPHS

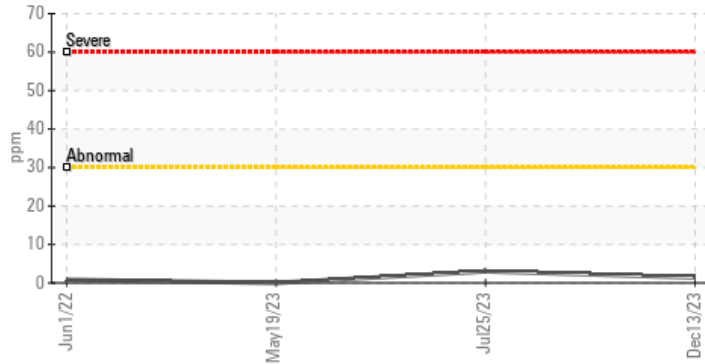
Iron (ppm)



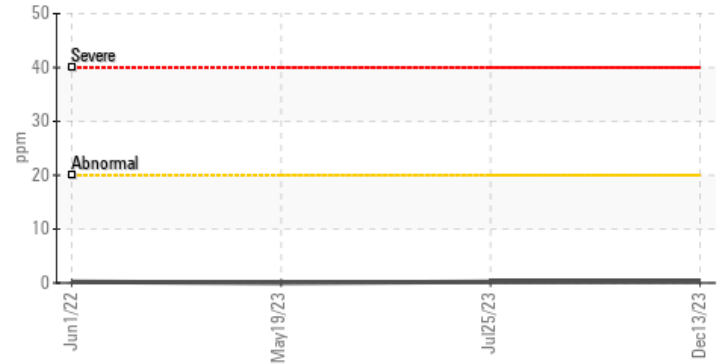
Lead (ppm)



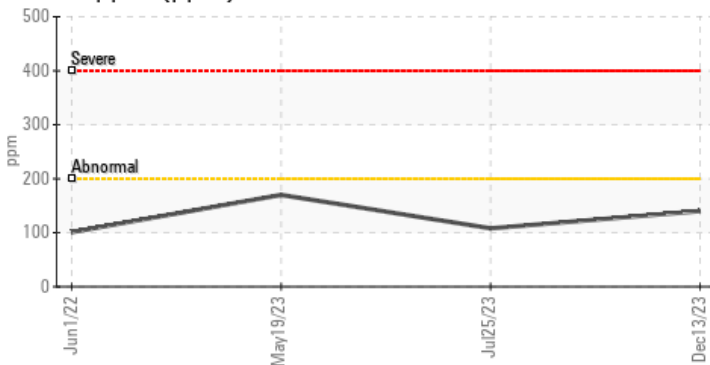
Aluminum (ppm)



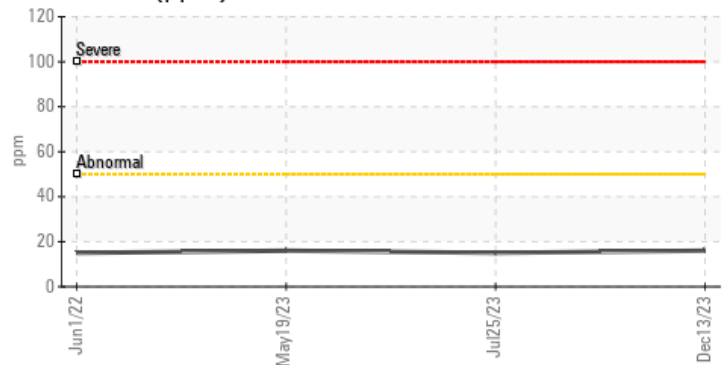
Chromium (ppm)



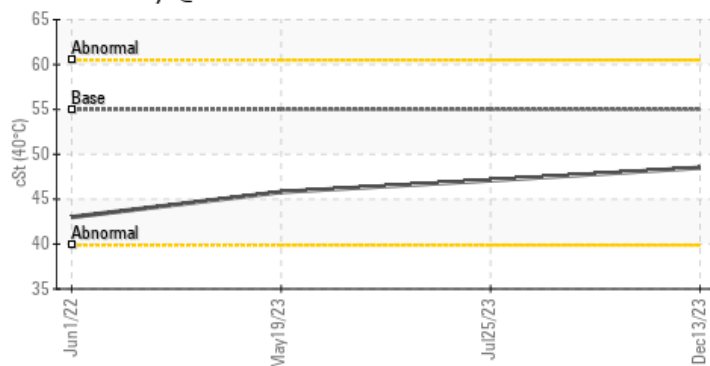
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

