



CONSTRUCTION EQUIPMENT

408494 VOLVO L120H 632541 - DIESEL ENGINE



Sample No: VCP334154
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 408494



SAMPLE INFORMATION

Sample Number	VCP334154	VCP448368	VCP394392	VCP392866
Sample Date	04 Jun 2024	10 May 2024	10 Mar 2024	11 Jan 2024
Machine Hours	17016	16257	15486	14360
Oil Hours	500	500	2000	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
 6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
 pdoyle@strongco.com
 T: (403)391-3520
 F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	94.5	---	---	---
Visc @ 100°C	cSt	12.9	13.2	13.6	13.4
Viscosity Index (VI)	Scale	133	---	---	---
Oxidation (PA)	%	85	84	86	85

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.6	0.5
Nitration (PA)	%	57	63	69	63
Sulfation (PA)	%	65	64	64	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	3
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	8	20	12	8
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	4	7	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	40	41	41
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1741	1718	1775	1731
Magnesium	ppm	504	508	527	510
Zinc	ppm	1098	1082	1108	1076
Phosphorus	ppm	933	927	934	950
Barium	ppm	0	0	0	0
Boron	ppm	36	41	35	34

Depot: VOLVO9652
Unique No: 5800004
Signed: Wes Davis
Report Date: 18 Jun 2024

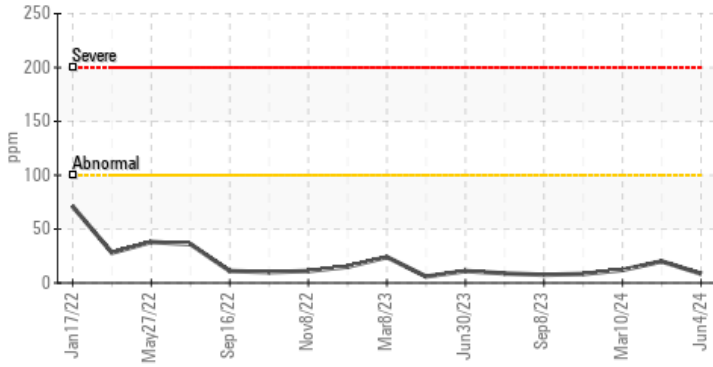


CONSTRUCTION EQUIPMENT

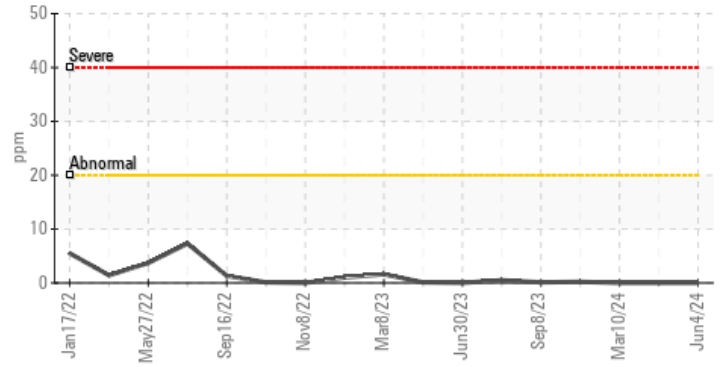


GRAPHS

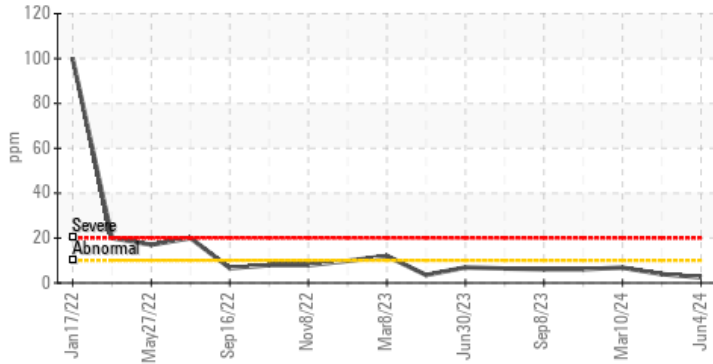
Iron (ppm)



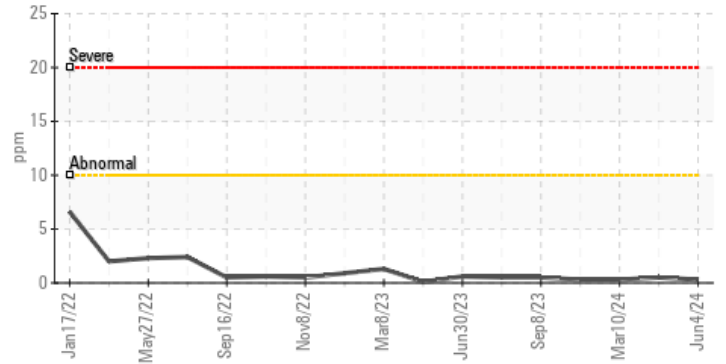
Lead (ppm)



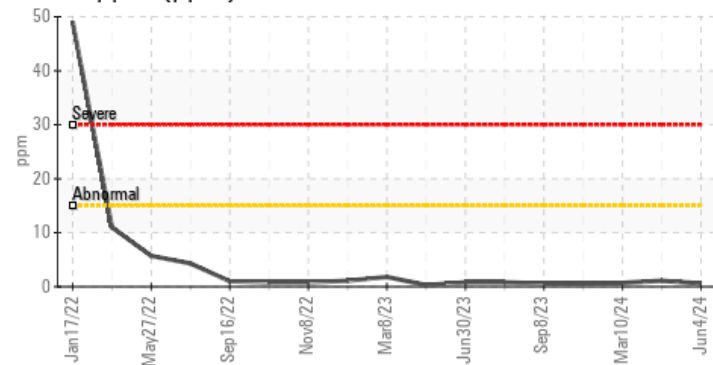
Aluminum (ppm)



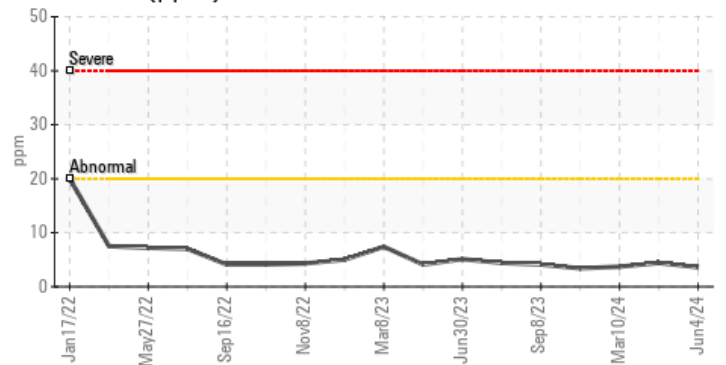
Chromium (ppm)



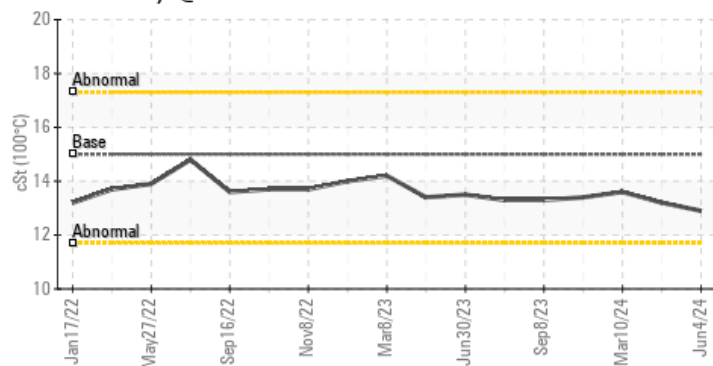
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

