



CONSTRUCTION EQUIPMENT

8000383350 VOLVO L120H 632080 - DIESEL ENGINE



Sample No: VCP394346
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000383350



SAMPLE INFORMATION

Sample Number	VCP394346	VCP394288	VCP394699	VCP392198
Sample Date	03 Nov 2023	29 Sep 2023	18 Aug 2023	19 Jun 2023
Machine Hours	32397	31736	31284	30691
Oil Hours	0	0	500	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)346-3473
 F: (403)346-3487



OIL CONDITION

Visc @ 100°C	cSt	13.2	13.1	13.3	13.5
Oxidation (PA)	%	84	81	82	86



CONTAMINATION

Soot %	%	0.2	0.1	0.1	0.2
Nitration (PA)	%	58	54	57	61
Sulfation (PA)	%	64	62	65	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	6	7	4
Sodium	ppm	2	4	2	2
Potassium	ppm	0	<1	<1	<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	8	9	13	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	41	43	41	41
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1756	1800	1682	1724
Magnesium	ppm	513	534	519	523
Zinc	ppm	1114	1162	1094	1095
Phosphorus	ppm	933	985	981	1027
Barium	ppm	<1	<1	0	0
Boron	ppm	36	40	37	39

Depot: VOLVO9652
Unique No: 5681861
Signed: Wes Davis
Report Date: 16 Nov 2023

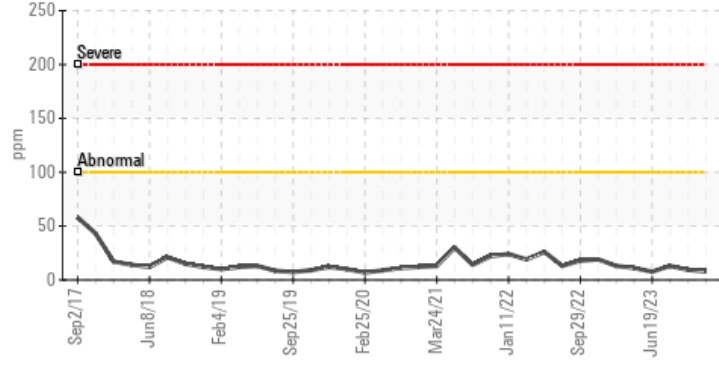


CONSTRUCTION EQUIPMENT

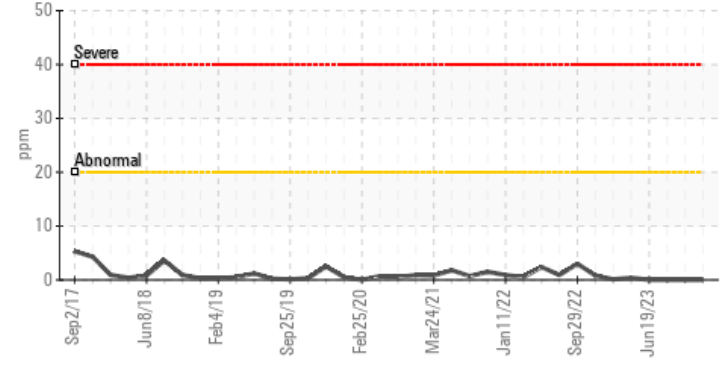


GRAPHS

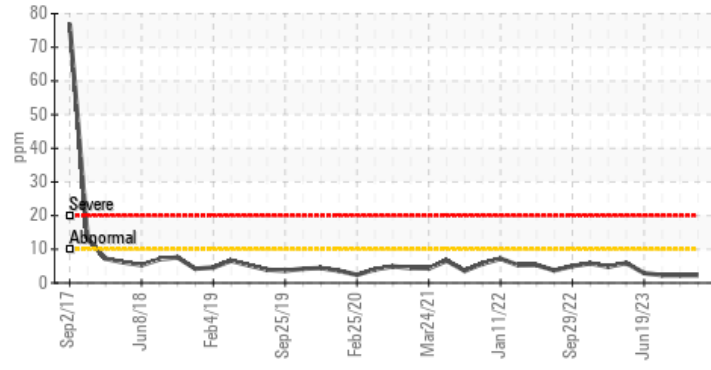
Iron (ppm)



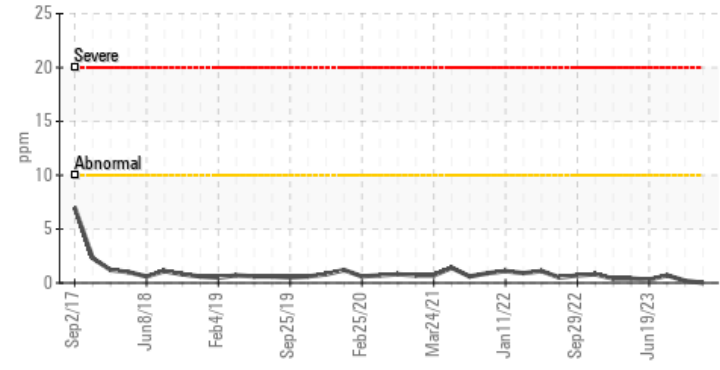
Lead (ppm)



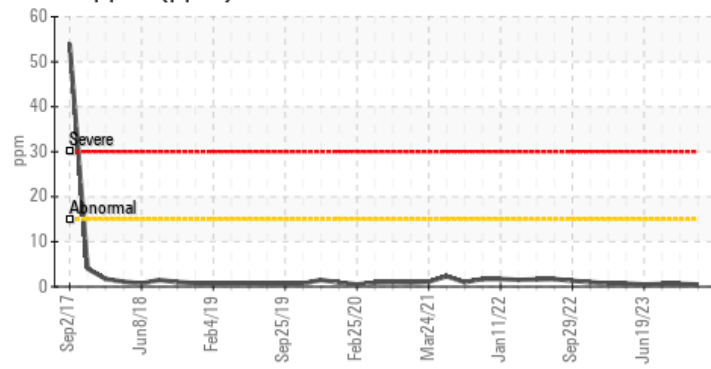
Aluminum (ppm)



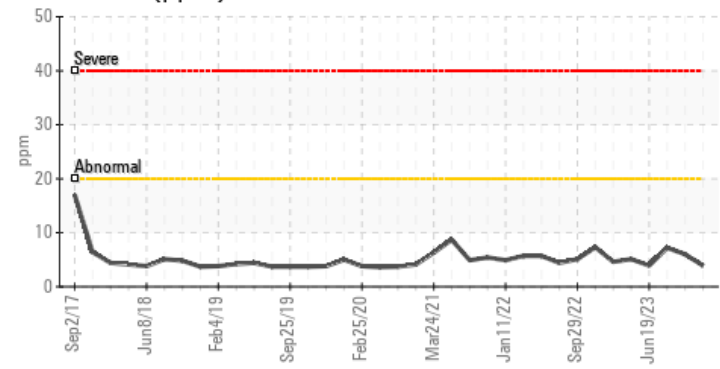
Chromium (ppm)



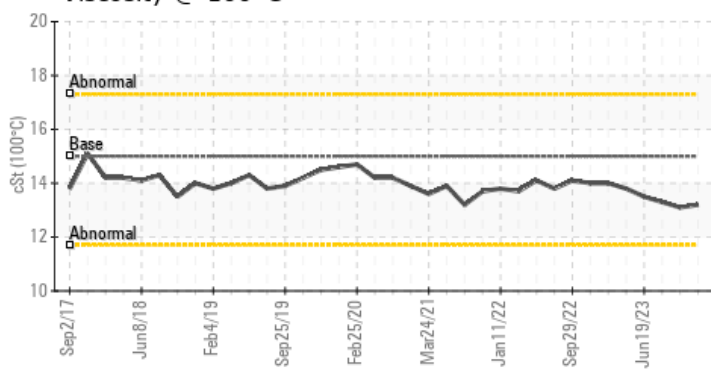
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

