



CONSTRUCTION EQUIPMENT

GDS MARSUVE 399106 VOLVO L90H 625879 - DIESEL ENGINE



Sample No: VCP450198
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 399106



SAMPLE INFORMATION

Sample Number	VCP450198	VCP392881	VCP393172	VCP391801
Sample Date	28 Mar 2024	06 Mar 2024	11 Jan 2024	01 Dec 2023
Machine Hours	9566	9392	9001	8874
Oil Hours	2000	0	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	14.0	14.7	12.5	13.3
Oxidation (PA)	%	96	104	84	93



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0.1	0	0.1
Nitration (PA)	%	87	95	56	83
Sulfation (PA)	%	65	69	64	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	8	8
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	<1	0

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	9	12	4	9
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	4	1	3
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	55	66	40	51
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1812	1859	1681	1734
Magnesium	ppm	535	539	490	517
Zinc	ppm	1231	1318	1043	1160
Phosphorus	ppm	995	1058	919	963
Barium	ppm	0	0	0	<1
Boron	ppm	74	130	49	76

Depot: VOLVO0228
Unique No: 5760410
Signed: Wes Davis
Report Date: 08 Apr 2024

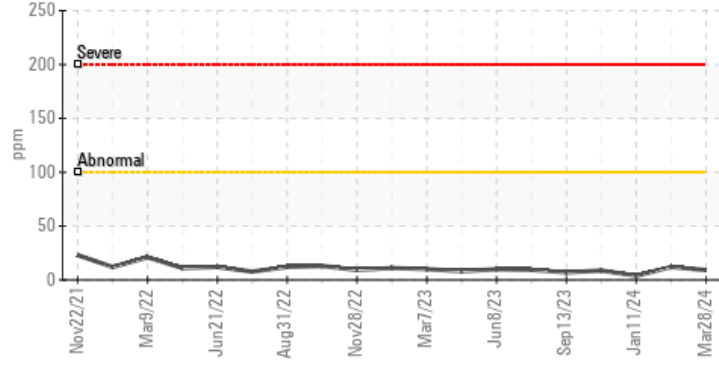


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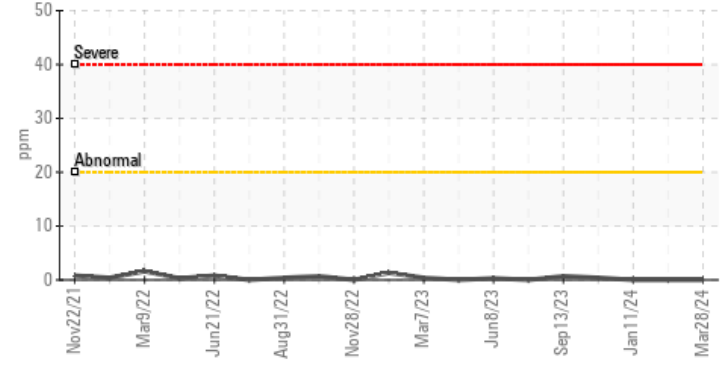


GRAPHS

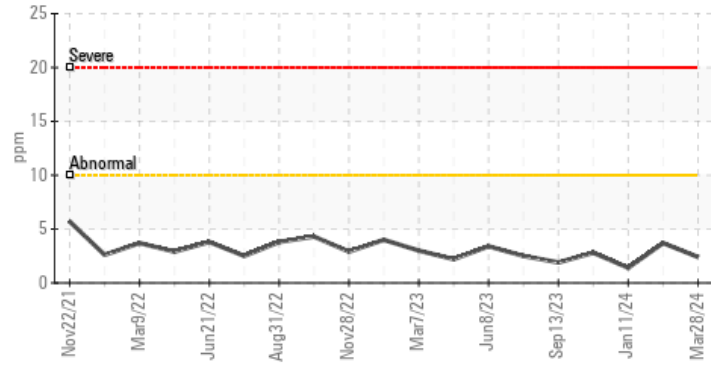
Iron (ppm)



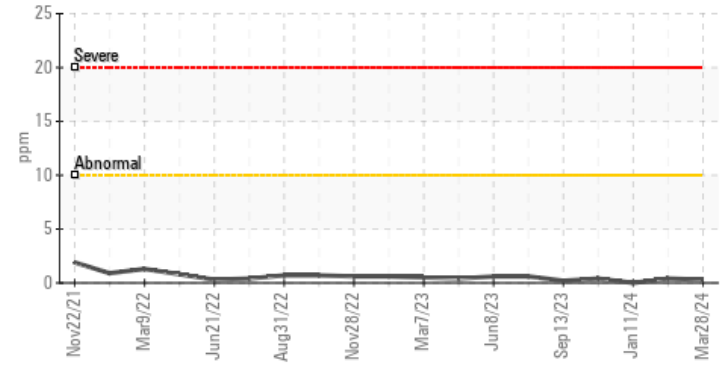
Lead (ppm)



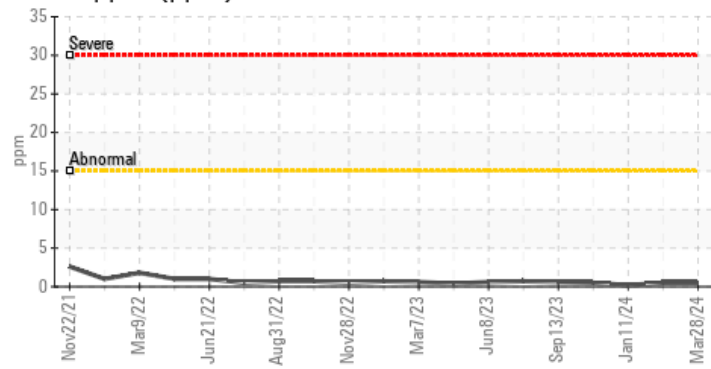
Aluminum (ppm)



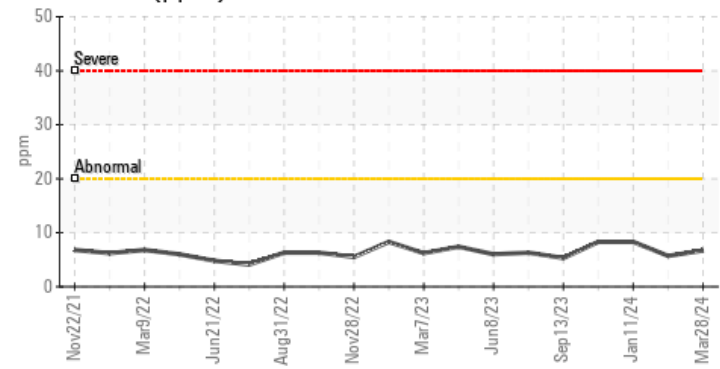
Chromium (ppm)



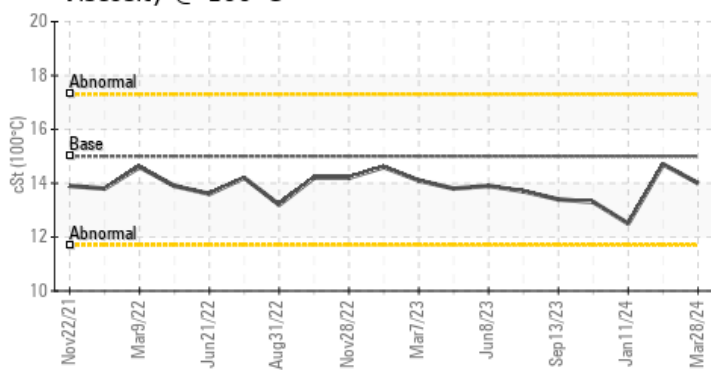
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

