



CONSTRUCTION EQUIPMENT

GDS GRANDE VALLE 399559 VOLVO L90H 625902 - DIESEL ENGINE



Sample No: VCP429849
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 399559



SAMPLE INFORMATION

Sample Number	VCP429849	VCP393170	VCP273469	VCP380428
Sample Date	07 Mar 2024	19 Jan 2024	04 Dec 2023	13 Sep 2023
Machine Hours	10136	9572	9113	8273
Oil Hours	0	0	0	0
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	15.2	14.1	14.3	15.1
Oxidation (PA)	%	111	99	94	90



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.1	0.1	0.4
Nitration (PA)	%	97	85	84	87
Sulfation (PA)	%	73	67	66	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	7	8	7
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	<1	0	2



WEAR METALS

Iron	ppm	14	10	10	17
Copper	ppm	1	<1	<1	2
Lead	ppm	3	<1	<1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	4	5	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	62	55	69	88
Nickel	ppm	<1	<1	<1	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	1873	1762	1718	1603
Magnesium	ppm	558	524	523	466
Zinc	ppm	1330	1188	1224	1346
Phosphorus	ppm	1069	1021	1011	1157
Barium	ppm	0	0	<1	0
Boron	ppm	124	90	155	150

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.

Depot: VOLVO0228
Unique No: 5760411
Signed: Kevin Marson
Report Date: 08 Apr 2024

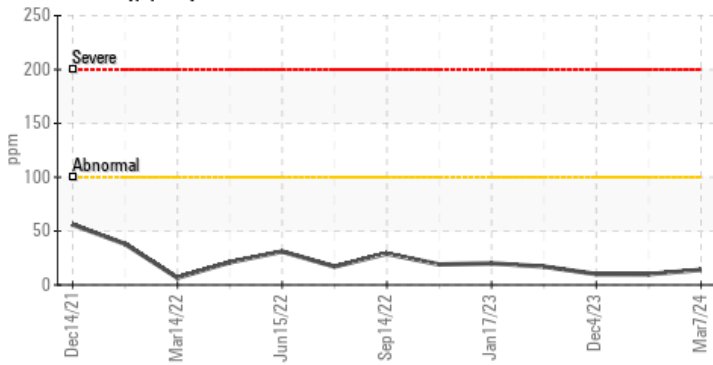


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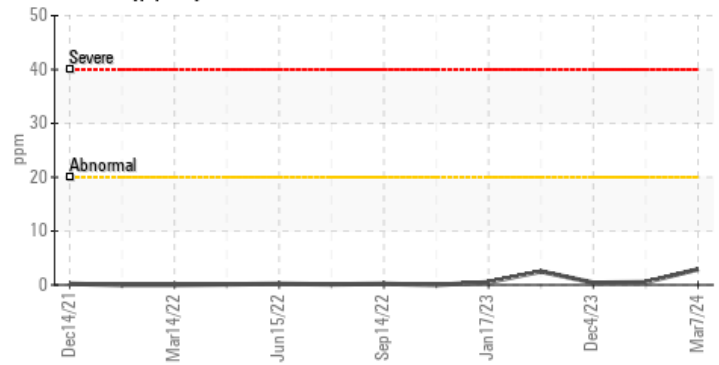


GRAPHS

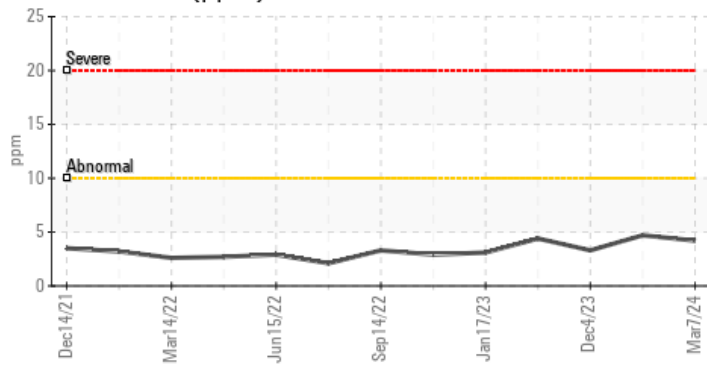
Iron (ppm)



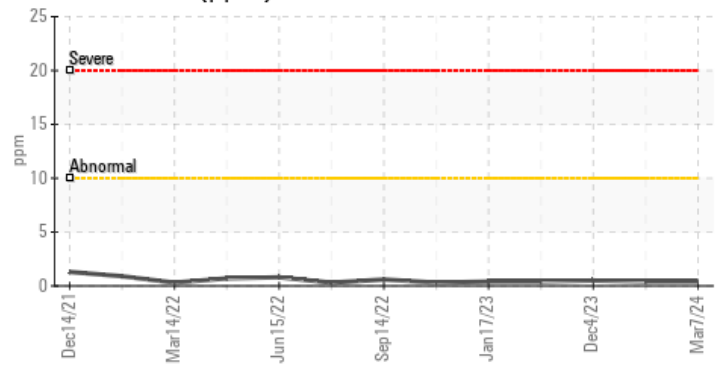
Lead (ppm)



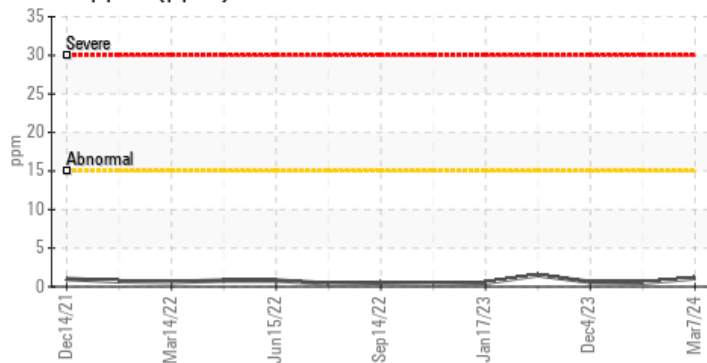
Aluminum (ppm)



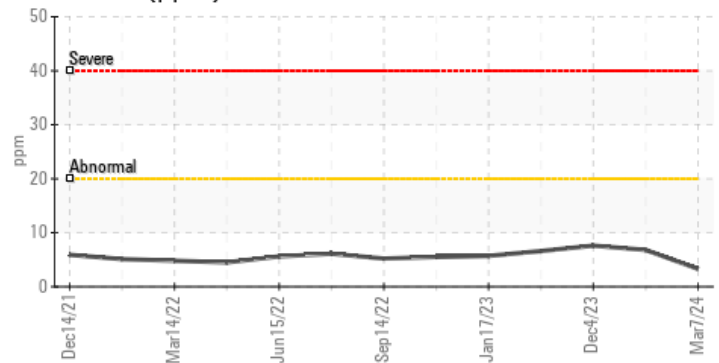
Chromium (ppm)



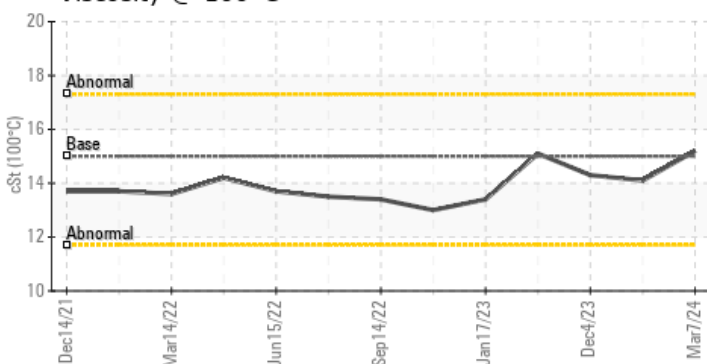
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

