



CONSTRUCTION EQUIPMENT

SCICRIE DION 617247 VOLVO L90G 617247 - DIESEL ENGINE



Sample No: VCP430048
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 617247



SAMPLE INFORMATION

Sample Number	VCP430048	VCP382462	VCP381742	VCP392330
Sample Date	15 Mar 2024	01 Nov 2023	22 Jun 2023	17 Mar 2023
Machine Hours	21886	21410	20883	20354
Oil Hours	500	500	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	12.9	12.9	13.1	13.2
Oxidation (PA)	%	82	81	84	84



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.3	0.3	0.1
Nitration (PA)	%	63	60	63	62
Sulfation (PA)	%	61	62	63	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	5	5	5
Sodium	ppm	2	3	3	3
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	17	14	18	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	7	4	7	9
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	40	41	40	40
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1698	1687	1685	1839
Magnesium	ppm	508	507	523	521
Zinc	ppm	1087	1107	1085	1104
Phosphorus	ppm	923	948	994	1014
Barium	ppm	0	<1	0	0
Boron	ppm	39	32	34	42

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: 5749669
Signed: Wes Davis
Report Date: 26 Mar 2024

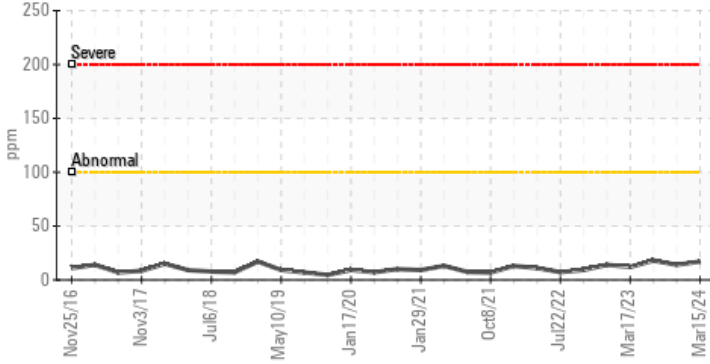


CONSTRUCTION EQUIPMENT

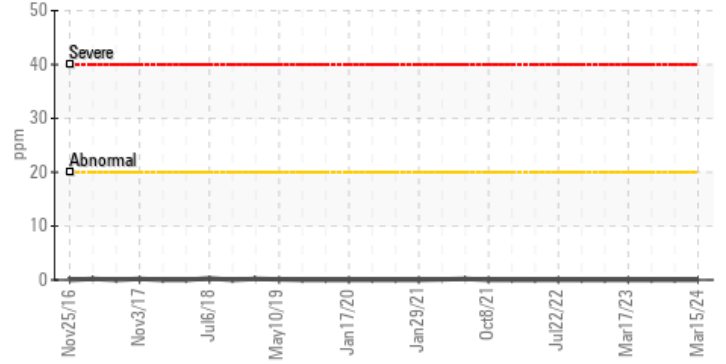


GRAPHS

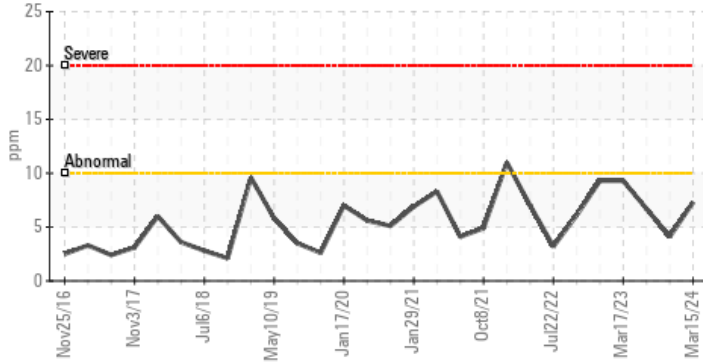
Iron (ppm)



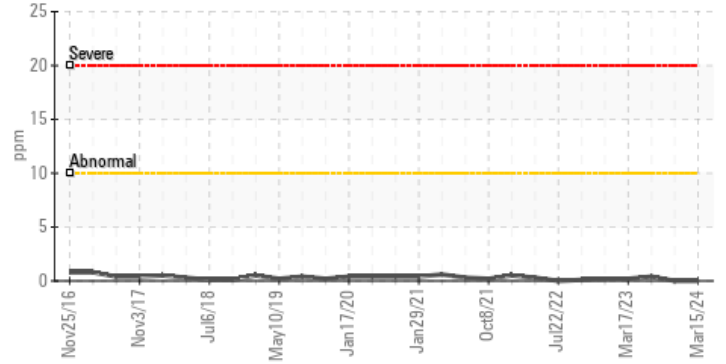
Lead (ppm)



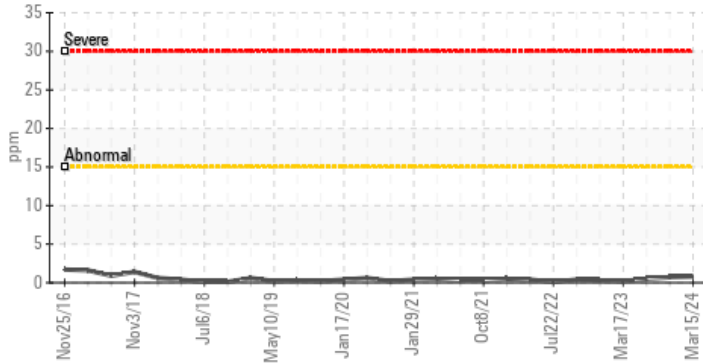
Aluminum (ppm)



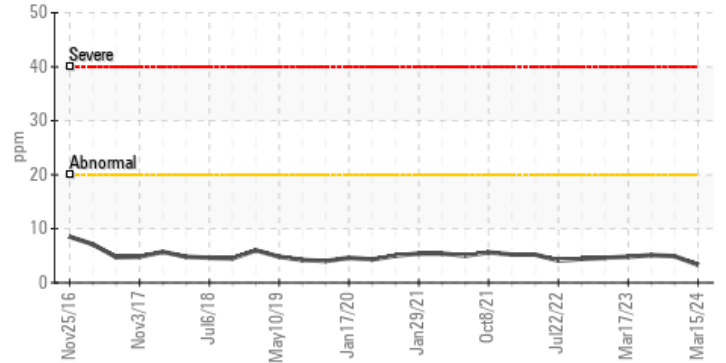
Chromium (ppm)



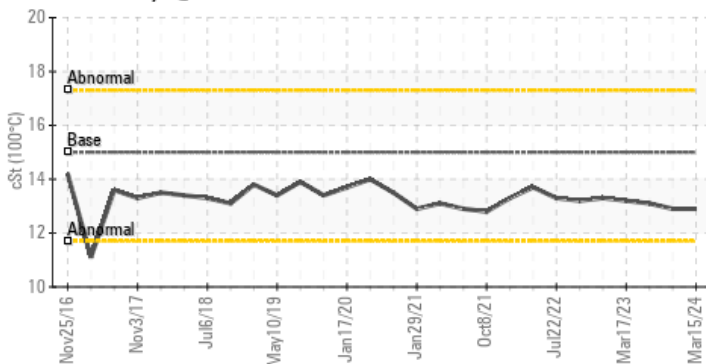
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

