



CONSTRUCTION EQUIPMENT

VOLVO L50G 2420203 - DIESEL ENGINE



Sample No: VCP394830
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP394830	VCP347315	VCP176247	VCP185053
Sample Date	06 Oct 2023	26 Oct 2022	05 Dec 2016	03 Dec 2015
Machine Hours	3055	2798	778	394
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT
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 TROIS RIVIERE, QC
 CA G8Z 4L8
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OIL CONDITION

Visc @ 40°C	cSt	---	---	72.3	73.0
Visc @ 100°C	cSt	13.3	13.5	11.3	11.3
Viscosity Index (VI)	Scale	---	---	148	146
Oxidation (PA)	%	80	57	62	59

Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Usure de cylindre, de vilebrequin ou d'arbre à cames. Il n'y a aucun indice de contamination dans l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0	0	0
Nitration (PA)	%	67	80	76	48
Sulfation (PA)	%	60	55	57	53
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	0.0	0.0
Silicon	ppm	11	9	16	19
Sodium	ppm	4	4	10	19
Potassium	ppm	<1	3	<1	<1

WEAR METALS

Iron	ppm	111	46	26	47
Copper	ppm	2	2	7	4
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	8	6	6	9
Chromium	ppm	<1	<1	4	10
Molybdenum	ppm	35	1	41	2
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1722	1401	1632	2355
Magnesium	ppm	522	739	697	40
Zinc	ppm	1032	800	1194	1179
Phosphorus	ppm	910	791	984	1026
Barium	ppm	0	0	<1	<1
Boron	ppm	47	67	34	3

Depot: STR520TRO
Unique No: 5709954
Signed: Kevin Marson
Report Date: 16 Jan 2024

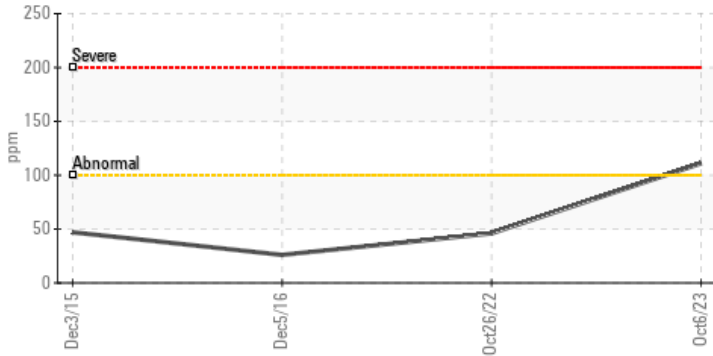


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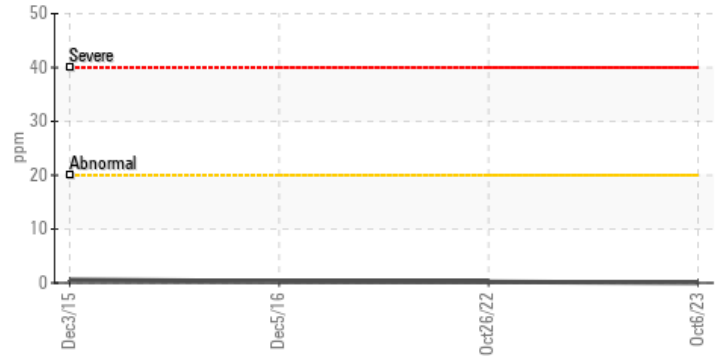


GRAPHS

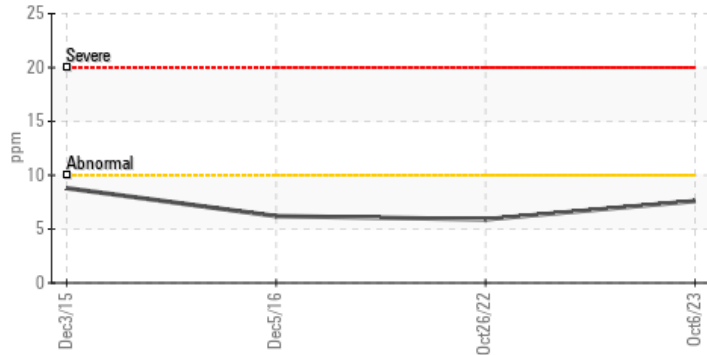
▲ Iron (ppm)



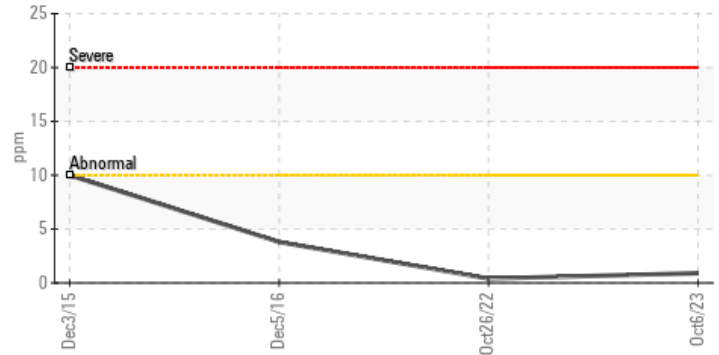
Lead (ppm)



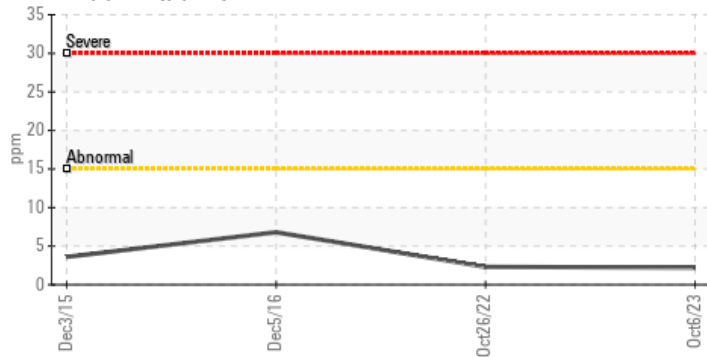
Aluminum (ppm)



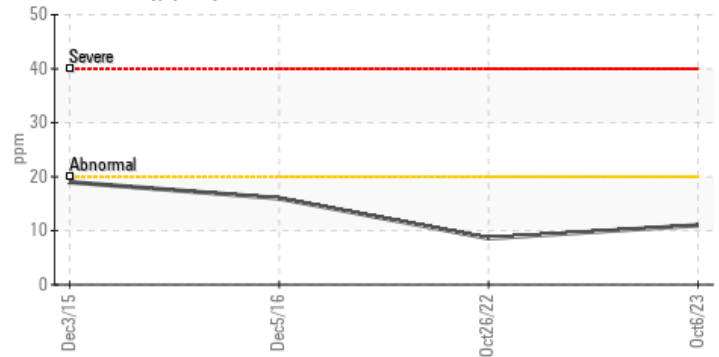
Chromium (ppm)



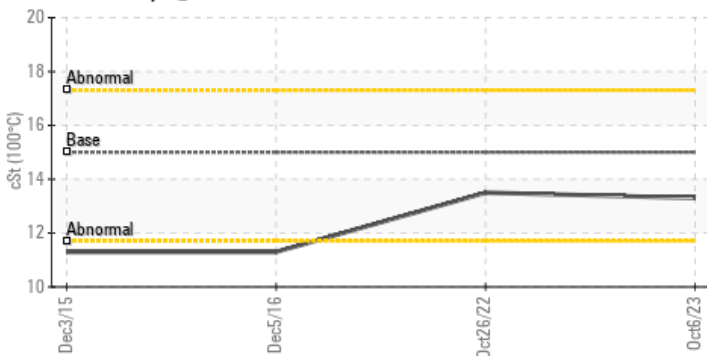
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

