



CONSTRUCTION EQUIPMENT

377588 VOLVO L90H 625902 - DIESEL ENGINE



Sample No: VCP380428
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 377588



SAMPLE INFORMATION

Sample Number	VCP380428	VCP380524	VCP352605	VCP352300
Sample Date	13 Sep 2023	17 Jan 2023	11 Nov 2022	14 Sep 2022
Machine Hours	8273	5558	5054	4700
Oil Hours	0	500	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 100°C	cSt	15.1	13.4	13.0	13.4
Oxidation (PA)	%	90	93	86	86



CONTAMINATION

Soot %	%	0.4	0	0	0.2
Nitration (PA)	%	87	80	64	73
Sulfation (PA)	%	71	68	66	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	5
Sodium	ppm	3	3	3	3
Potassium	ppm	2	<1	0	0



WEAR METALS

Iron	ppm	17	20	19	29
Copper	ppm	2	<1	<1	<1
Lead	ppm	2	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	88	49	44	49
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1603	1774	1674	1766
Magnesium	ppm	466	517	497	509
Zinc	ppm	1346	1156	1094	1138
Phosphorus	ppm	1157	1030	1019	1006
Barium	ppm	0	0	0	0
Boron	ppm	150	62	66	70

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: 5645891
Signed: Wes Davis
Report Date: 25 Sep 2023



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GRAPHS

