



CONSTRUCTION EQUIPMENT

387808 VOLVO L60H 621601 - DIESEL ENGINE



Sample No: VCP380092
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 387808



SAMPLE INFORMATION

Sample Number	VCP380092	VCP381656	VCP334187	VCP275397
Sample Date	11 Dec 2023	18 May 2023	29 Jul 2022	17 Jun 2021
Machine Hours	5863	5326	4830	3719
Oil Hours	0	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.9	13.0	12.9
Oxidation (PA)	%	84	82	84	80

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	57	58	58	56
Sulfation (PA)	%	62	61	64	64
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	7	7
Sodium	ppm	3	2	3	13
Potassium	ppm	0	<1	<1	14

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	7	9	8	8
Copper	ppm	1	1	1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	4	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	43	41	40	39
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1707	1756	1717	1616
Magnesium	ppm	526	503	503	494
Zinc	ppm	1099	1072	1102	1094
Phosphorus	ppm	922	1001	923	935
Barium	ppm	0	0	0	0
Boron	ppm	39	44	44	47

Depot: VOLVO0252
Unique No: 5696124
Signed: Wes Davis
Report Date: 14 Dec 2023



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VOLVO GRAPHS

