



CONSTRUCTION EQUIPMENT

688690 VOLVO L150H 6059 - DIESEL ENGINE



Sample No: VCP438348
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 688690



SAMPLE INFORMATION

Sample Number	VCP438348	VCP442746	VCP430497	VCP420926
Sample Date	25 Mar 2024	17 Jan 2024	30 Oct 2023	10 Aug 2023
Machine Hours	11465	10959	10424	9867
Oil Hours	500	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PARAGON DEVELOPMENT GROUP
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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.4	12.2	12.2
Base Number (BN)	mg KOH/g	9.9	9.6	9.8	9.4
Oxidation (PA)	%	73	62	77	76



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	54	57	57	53
Sulfation (PA)	%	57	53	59	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	5	4	4
Sodium	ppm	2	<1	2	3
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	2	2	<1	2
Copper	ppm	2	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	43	49	38	43
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	1596	1279	1478	1773
Magnesium	ppm	584	841	475	513
Zinc	ppm	1135	1229	1024	1141
Phosphorus	ppm	963	1008	864	941
Barium	ppm	0	0	0	0
Boron	ppm	41	11	30	34

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: PARPLA
Unique No: 11018409
Signed: Wes Davis
Report Date: 09 May 2024

VOLVO **GRAPHS**

