



CONSTRUCTION EQUIPMENT

729516 BULK EXPRESS VOLVO L150H 6770 - DIESEL ENGINE



Sample No: VCP454561
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 729516 BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP454561	VCP453881	VCP437672	VCP425264
Sample Date	12 Jun 2024	21 Mar 2024	03 Jan 2024	19 Jun 2023
Machine Hours	12371	11881	11384	10821
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.7	12.6	12.4
Base Number (BN)	mg KOH/g	9.0	9.0	10.1	9.8
Oxidation (PA)	%	83	74	82	87



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	58	60	53	63
Sulfation (PA)	%	61	57	61	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	12	17	14	17
Sodium	ppm	4	0	0	4
Potassium	ppm	4	2	2	3



WEAR METALS

Iron	ppm	<1	5	3	4
Copper	ppm	0	1	<1	<1
Lead	ppm	0	2	<1	1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	2	1	2	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	37	66	40	42
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1596	1757	1682	1723
Magnesium	ppm	529	913	498	503
Zinc	ppm	1154	1488	1099	1131
Phosphorus	ppm	985	1296	890	922
Barium	ppm	0	<1	8	<1
Boron	ppm	29	26	38	30

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: VOLVO0096
Unique No: 11088273
Signed: Wes Davis
Report Date: 21 Jun 2024



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VOLVO GRAPHS

