



CONSTRUCTION EQUIPMENT

SW-25851-2 MAVERICK VOLVO L260H 1305 - DIESEL ENGINE



Sample No: VCP443483
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-25851-2 MAVERICK



SAMPLE INFORMATION

Sample Number	VCP443483	VCP419492	VCP403226	VCP382613
Sample Date	02 Nov 2023	11 Aug 2023	11 May 2023	22 Dec 2022
Machine Hours	2660	2070	1490	900
Oil Hours	600	600	600	900
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 100°C	cSt	13.0	13.0	12.8	▲ 11.1
Base Number (BN)	mg KOH/g	7.9	8.1	7.1	5.3
Oxidation (PA)	%	62	64	65	71

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.



CONTAMINATION

Soot %	%	0.5	0.5	0.4	0.4
Nitration (PA)	%	70	68	70	89
Sulfation (PA)	%	56	57	58	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.5
Silicon	ppm	10	10	10	24
Sodium	ppm	4	3	5	4
Potassium	ppm	3	2	2	3



WEAR METALS

Iron	ppm	13	13	13	15
Copper	ppm	3	11	77	165
Lead	ppm	<1	1	<1	4
Tin	ppm	<1	1	1	4
Aluminum	ppm	4	3	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	66	63	70	81
Nickel	ppm	2	1	1	1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	1	1	3
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1114	1209	1204	2009
Magnesium	ppm	938	1000	915	116
Zinc	ppm	1257	1269	1268	1199
Phosphorus	ppm	1019	1027	1015	933
Barium	ppm	7	0	0	0
Boron	ppm	3	2	7	17

Depot: VOLVO8770
Unique No: 10737802
Signed: Don Baldrige
Report Date: 14 Nov 2023



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GRAPHS

