



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 374939 VOLVO L260 1233 - DIESEL ENGINE



Sample No: VCP380130
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 374939



SAMPLE INFORMATION

Sample Number	VCP380130	VCP394777	VCP353444	VCP382119
Sample Date	28 Aug 2023	12 Jul 2023	10 Mar 2023	23 Jan 2023
Machine Hours	921	4516	2344	1205
Oil Hours	0	0	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.9	13.0	12.7
Oxidation (PA)	%	76	92	91	88



CONTAMINATION

Soot %	%	0.2	0.2	0.1	0
Nitration (PA)	%	59	71	71	61
Sulfation (PA)	%	63	66	71	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.7
Silicon	ppm	6	5	4	6
Sodium	ppm	3	3	5	3
Potassium	ppm	1	<1	0	1

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	18	15	10	9
Copper	ppm	4	10	173	329
Lead	ppm	<1	1	5	8
Tin	ppm	<1	1	2	2
Aluminum	ppm	2	2	2	1
Chromium	ppm	3	<1	<1	0
Molybdenum	ppm	38	40	43	41
Nickel	ppm	6	2	<1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1652	1682	1787	1713
Magnesium	ppm	493	511	520	501
Zinc	ppm	1063	1095	1099	1081
Phosphorus	ppm	935	959	971	974
Barium	ppm	0	0	0	0
Boron	ppm	19	17	26	34

Depot: VOLVO0252
Unique No: 5633710
Signed: Wes Davis
Report Date: 06 Sep 2023



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GRAPHS

