



CONSTRUCTION EQUIPMENT

8000375110 VOLVO EC250E 310656 - DIESEL ENGINE



Sample No: VCP379588
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000375110



SAMPLE INFORMATION

Sample Number	VCP379588	VCP379521	VCP334080	WC0620485
Sample Date	15 Aug 2023	28 Feb 2023	02 Sep 2022	17 Feb 2022
Machine Hours	5460	4939	4455	4013
Oil Hours	0	500	500	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

STRONGCO EQUIPMENT

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 MONCTON, NB
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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.4	13.5	13.4
Oxidation (PA)	%	78	90	89	31



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	64	70	69	26
Sulfation (PA)	%	63	71	68	40
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	12	9	9
Sodium	ppm	4	3	3	3
Potassium	ppm	2	3	5	2



WEAR METALS

Iron	ppm	8	13	13	4
Copper	ppm	7	15	2	<1
Lead	ppm	2	5	<1	<1
Tin	ppm	<1	2	1	<1
Aluminum	ppm	4	▲ 11	▲ 15	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	38	41	39	38
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1776	1857	1695	1589
Magnesium	ppm	488	496	500	509
Zinc	ppm	1127	1092	1034	1028
Phosphorus	ppm	999	996	956	906
Barium	ppm	<1	0	<1	0
Boron	ppm	40	42	29	58

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.

Depot: SHE255MON
Unique No: 5630726
Signed: Wes Davis
Report Date: 23 Aug 2023



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GRAPHS

