



CONSTRUCTION EQUIPMENT

19065 VALFAIR VOLVO EC380E 310512 - DIESEL ENGINE



Sample No: VCP407555
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 19065 VALFAIR



SAMPLE INFORMATION

Sample Number	VCP407555	VCP261539	VCP319518	VCP309894
Sample Date	30 Jun 2023	04 Apr 2022	03 Aug 2021	03 Jun 2021
Machine Hours	8132	6745	6581	6438
Oil Hours	992	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 100°C	cSt	12.4	12.4	12.4	12.4
Base Number (BN)	mg KOH/g	7.9	11.6	---	---
Oxidation (PA)	%	71	79	77	80

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	78	55	50	60
Sulfation (PA)	%	56	63	63	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.3
Silicon	ppm	4	4	4	4
Sodium	ppm	0	<1	0	1
Potassium	ppm	2	1	0	<1



WEAR METALS

Iron	ppm	6	4	3	5
Copper	ppm	<1	2	<1	1
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	1	0	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	56	43	46	63
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1430	1690	1772	1531
Magnesium	ppm	599	544	565	489
Zinc	ppm	987	1112	1093	1045
Phosphorus	ppm	796	951	1002	870
Barium	ppm	0	0	0	0
Boron	ppm	34	63	81	126

Depot: VOLVO8769
Unique No: 10552476
Signed: Don Baldrige
Report Date: 14 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

