



CONSTRUCTION EQUIPMENT

1845 INTL PAPER WSAC VOLVO L60H 622547 - DIESEL ENGINE



Sample No: VCP439153
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 1845 INTL PAPER WSAC



SAMPLE INFORMATION

Sample Number	VCP439153	VCP442967	VCP442137	VCP419375
Sample Date	27 Mar 2024	16 Jan 2024	26 Oct 2023	26 May 2023
Machine Hours	6598	6047	5517	4599
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826

Contact: RAY KRANZUSCH
 ray.kranzusch@vcesvolvo.com

T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.6	13.0	13.1	13.2
Base Number (BN)	mg KOH/g	10.3	9.9	10.7	10.5
Oxidation (PA)	%	83	82	82	85

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.3	0.3
Nitration (PA)	%	58	59	56	60
Sulfation (PA)	%	61	62	62	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	6	7
Sodium	ppm	3	3	2	4
Potassium	ppm	1	0	0	1



WEAR METALS

Iron	ppm	6	7	5	11
Copper	ppm	4	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	4	3	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	42	40	39	55
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1898	1754	1740	2237
Magnesium	ppm	539	535	519	681
Zinc	ppm	1233	1206	1273	1526
Phosphorus	ppm	998	990	1011	1271
Barium	ppm	0	0	0	2
Boron	ppm	36	36	40	46

Depot: VOLVO4485
Unique No: 10966856
Signed: Wes Davis
Report Date: 09 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

