



CONSTRUCTION EQUIPMENT

VOLVO 740081 - DIESEL ENGINE



Sample No: VCP194834
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP194834	VCP193914	VCP188999	VCP187613
Sample Date	23 Jun 2017	03 May 2017	15 Mar 2017	18 Jan 2017
Machine Hours	2048	1766	1503	1248
Oil Hours	250	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OCEAN COUNTY LANDFILL
 PO BOX 207
 BELLFORD, NJ
 US 07718
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	12.24	12.09	12.51	12.74
Oxidation (PA)	%	68	60	40	60

T: (732)787-0226
 F: (732)495-6225

CONTAMINATION

Soot %	%	0	0.1	0	0
Nitration (PA)	%	50	50	42	50
Sulfation (PA)	%	58	53	42	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	9	6
Sodium	ppm	9	7	5	4
Potassium	ppm	1	0	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	5	6	9	6
Copper	ppm	1	6	17	18
Lead	ppm	0	0	3	<1
Tin	ppm	0	3	5	2
Aluminum	ppm	1	1	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	47	43	48	44
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1807	1554	1577	1612
Magnesium	ppm	519	460	576	580
Zinc	ppm	904	854	1002	913
Phosphorus	ppm	764	764	849	873
Barium	ppm	<1	0	0	0
Boron	ppm	46	39	42	45

Depot: OCEBED
Unique No: 7848297
Signed: Wes Davis
Report Date: 06 Jul 2017



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GRAPHS

