



CONSTRUCTION EQUIPMENT

49139 SUWANNEE VOLVO L180H 5496 - DIESEL ENGINE



Sample No: VCP453948
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 49139 SUWANNEE



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP453948	VCP438161	VCP412811	VCP417492
Sample Date	11 Mar 2024	18 Jan 2024	18 Jul 2023	02 Jun 2023
Machine Hours	14089	13222	11082	10460
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	12.7	12.6	12.6	12.7
Base Number (BN)	mg KOH/g	9.5	9.1	10.1	9.8
Oxidation (PA)	%	78	79	80	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	63	65	59	68
Sulfation (PA)	%	57	58	60	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	4
Sodium	ppm	2	0	3	3
Potassium	ppm	2	0	0	0



WEAR METALS

Iron	ppm	4	<1	3	5
Copper	ppm	2	2	1	2
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	2	<1	1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	43	39	43	43
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	1470	1581	1778	1754
Magnesium	ppm	599	484	527	517
Zinc	ppm	1131	1055	1128	1113
Phosphorus	ppm	965	884	952	915
Barium	ppm	0	0	0	0
Boron	ppm	21	33	39	30

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.

Depot: VOLVO0093
Unique No: 10937606
Signed: Wes Davis
Report Date: 21 Mar 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

