



CONSTRUCTION EQUIPMENT

ACEROS AMERICA VOLVO L70F 62286 - DIESEL ENGINE



Sample No: VCP424521
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: ACEROS AMERICA



SAMPLE INFORMATION

Sample Number	VCP424521	VCP389832	VCE67204	---
Sample Date	29 Jun 2023	20 Oct 2022	11 Jun 2010	---
Machine Hours	3167	2500	253	---
Oil Hours	500	500	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



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



OIL CONDITION

Visc @ 100°C	cSt	12.6	13.6	13.27	---
Base Number (BN)	mg KOH/g	9.4	7.2	---	---
Oxidation (PA)	%	80	75	48	---



CONTAMINATION

Soot %	%	0.4	0.7	0	---
Nitration (PA)	%	73	96	50	---
Sulfation (PA)	%	63	72	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	9	14	38	---
Sodium	ppm	2	3	5	---
Potassium	ppm	0	<1	0	---



WEAR METALS

Iron	ppm	26	50	33	---
Copper	ppm	2	6	14	---
Lead	ppm	<1	5	6	---
Tin	ppm	1	2	0	---
Aluminum	ppm	2	4	6	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	34	18	80	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	5	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1479	1485	1533	---
Magnesium	ppm	500	644	465	---
Zinc	ppm	961	889	1337	---
Phosphorus	ppm	792	700	1154	---
Barium	ppm	0	0	<1	---
Boron	ppm	27	20	374	---

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: 10551680
Signed: Wes Davis
Report Date: 12 Jul 2023



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GRAPHS

