



CONSTRUCTION EQUIPMENT

VOLVO A30F 12068 - DIESEL ENGINE



Sample No: VCP424127
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP424127	VCP425686	VCP384778	VCP283686
Sample Date	28 Aug 2023	17 May 2023	29 Sep 2022	29 Sep 2020
Machine Hours	18975	18758	18108	16530
Oil Hours	0	500	0	0
Oil Changed	Not Changd	Changed	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SENECA MEADOWS
 1786 SALCMAN ROAD
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 US
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OIL CONDITION

Visc @ 100°C	cSt	12.3	13.2	12.3	13.2
Base Number (BN)	mg KOH/g	8.5	8.7	11.6	---
Oxidation (PA)	%	69	68	78	69

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	52	53	54	54
Sulfation (PA)	%	55	57	61	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.9	<1.0	1.0	<1.0
Silicon	ppm	4	4	5	5
Sodium	ppm	2	2	2	3
Potassium	ppm	3	7	1	0



WEAR METALS

Iron	ppm	3	3	3	3
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	0	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	27	11	42	6
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1939	2148	1669	2181
Magnesium	ppm	333	131	416	59
Zinc	ppm	1256	1245	1090	1095
Phosphorus	ppm	1055	985	929	1001
Barium	ppm	0	0	0	0
Boron	ppm	113	161	65	158

Depot: SENWAT
Unique No: 10628665
Signed: Wes Davis
Report Date: 31 Aug 2023



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GRAPHS

