



CONSTRUCTION EQUIPMENT

6898 FAIRBURN READY VOLVO L70H 624299 - DIESEL ENGINE



Sample No: VCP431168
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 6898 FAIRBURN READY



SAMPLE INFORMATION

Sample Number	VCP431168	VCP421287	VCP370487	VCP333025
Sample Date	31 Aug 2023	05 May 2023	03 Jan 2023	18 Jul 2022
Machine Hours	2955	2489	2112	1451
Oil Hours	0	0	2000	500
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.8	13.3	13.3
Base Number (BN)	mg KOH/g	10.4	11.1	11.1	11.6
Oxidation (PA)	%	78	83	81	86

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 %	%	0.5	0.4	0.6	0.8
Nitration (PA)	%	58	59	67	68
Sulfation (PA)	%	59	63	62	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	5	7	7
Sodium	ppm	<1	3	2	0
Potassium	ppm	2	1	0	1



WEAR METALS

Iron	ppm	9	9	17	20
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	2	5	5
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	40	43	42	42
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1617	1822	1729	1642
Magnesium	ppm	511	552	508	480
Zinc	ppm	1093	1238	1159	1105
Phosphorus	ppm	881	1006	935	938
Barium	ppm	11	0	0	0
Boron	ppm	43	58	33	41

Depot: ASCMAC
Unique No: 10782851
Signed: Wes Davis
Report Date: 14 Dec 2023



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GRAPHS

