



CONSTRUCTION EQUIPMENT

SW-32968-2 CMC ROCK VOLVO L150H 7043 - DIESEL ENGINE



Sample No: VCP446603
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-32968-2 CMC ROCK



SAMPLE INFORMATION

Sample Number	VCP446603	VCP435882	VCP414374	VCP400956
Sample Date	18 Apr 2024	09 Jan 2024	17 Aug 2023	15 May 2023
Machine Hours	3840	3342	2491	2027
Oil Hours	500	851	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.6	12.9	12.9
Base Number (BN)	mg KOH/g	7.6	8.2	9.3	9.2
Oxidation (PA)	%	47	60	57	58

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 %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	54	63	49	54
Sulfation (PA)	%	47	53	52	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	4	3	2
Sodium	ppm	<1	3	8	2
Potassium	ppm	0	0	4	<1



WEAR METALS

Iron	ppm	3	8	4	4
Copper	ppm	2	6	2	8
Lead	ppm	<1	0	1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	45	59	61	60
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1610	1074	1165	1108
Magnesium	ppm	619	903	939	976
Zinc	ppm	1209	1143	1203	1308
Phosphorus	ppm	1029	977	1050	1012
Barium	ppm	0	0	0	0
Boron	ppm	20	5	2	<1

Depot: VOLVO8770
Unique No: 11003251
Signed: Wes Davis
Report Date: 29 Apr 2024



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GRAPHS

