



CONSTRUCTION EQUIPMENT

SPM715577 ALTER ROCK SENNEBOGEN 840 840.0.2192 - DIESEL ENGINE



Sample No: VCP446959
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM715577 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP446959	VCP437356	VCP392951	VCP433264
Sample Date	10 May 2024	22 Mar 2024	02 Feb 2024	05 Dec 2023
Machine Hours	15677	15145	14505	13870
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	MARGINAL	SEVERE	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.5	▲ 11.3	13.4
Base Number (BN)	mg KOH/g	8.6	8.2	8.2	8.9
Oxidation (PA)	%	66	73	70	66

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 %	%	0.2	0.2	0.1	0.2
Nitration (PA)	%	67	71	73	64
Sulfation (PA)	%	54	57	55	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	▲ 1.9	▲ 6.0	<1.0
Silicon	ppm	2	2	2	2
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	3	0	0	<1

WEAR METALS

Iron	ppm	6	4	3	2
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	59	62	54	56
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1027	1106	979	987
Magnesium	ppm	974	1011	895	947
Zinc	ppm	1189	1220	1137	1242
Phosphorus	ppm	986	1021	949	946
Barium	ppm	0	0	0	0
Boron	ppm	0	2	0	0

Depot: VOLVO8885
Unique No: 11059522
Signed: Wes Davis
Report Date: 04 Jun 2024



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VOLVO GRAPHS

