



CONSTRUCTION EQUIPMENT

701710 SENNEBOGEN 850E 850.0.3183 - DIESEL ENGINE



Sample No: VCP445532
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701710



SAMPLE INFORMATION

Sample Number	VCP445532	VCP452274	---	---
Sample Date	25 Apr 2024	14 Dec 2023	---	---
Machine Hours	1817	641	---	---
Oil Hours	500	641	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE
 DETROIT, MI
 US 48207

Contact: KEITH HALL
 keith.hall@fpt1.com

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	● 11.8	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 6.5	---	---
Oxidation (PA)	%	90	65	---	---

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	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	75	77	---	---
Sulfation (PA)	%	63	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 1.5	---	---
Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 11	█ 23	---	---



WEAR METALS

Iron	ppm	█ 10	█ 14	---	---
Copper	ppm	█ 0	█ 4	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 5	█ 8	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 50	█ 81	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1812	█ 2083	---	---
Magnesium	ppm	█ 517	█ 127	---	---
Zinc	ppm	█ 1183	█ 1281	---	---
Phosphorus	ppm	█ 977	█ 1061	---	---
Barium	ppm	█ 0	█ 7	---	---
Boron	ppm	█ 66	█ 94	---	---

Depot: FERDET
Unique No: 11007256
Signed: Wes Davis
Report Date: 03 May 2024



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GRAPHS

