



CONSTRUCTION EQUIPMENT

566311 SENNEBOGEN 840 2364 - DIESEL ENGINE



Sample No: VCP426589
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 566311



SAMPLE INFORMATION

Sample Number	VCP426589	VCP424844	---	---
Sample Date	19 Jun 2023	27 Mar 2023	---	---
Machine Hours	1407	745	---	---
Oil Hours	500	745	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	MARGINAL	ABNORMAL	---	---

FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE
 DETROIT, MI
 US 48207

Contact: KEITH HALL
 keith.hall@fpt1.com

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 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	▲ 10.8	---	---
Base Number (BN)	mg KOH/g	█ 5.8	█ 6.5	---	---
Oxidation (PA)	%	79	76	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. 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 %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	85	88	---	---
Sulfation (PA)	%	60	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	▲ 2.0	▲ 5.1	---	---
Silicon	ppm	█ 5	█ 17	---	---
Sodium	ppm	█ 2	█ 5	---	---
Potassium	ppm	█ 12	█ 35	---	---

WEAR METALS

Iron	ppm	█ 15	█ 34	---	---
Copper	ppm	█ 3	█ 14	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 5	█ 11	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 63	█ 81	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 2227	█ 2139	---	---
Magnesium	ppm	48	█ 160	---	---
Zinc	ppm	█ 1225	█ 1195	---	---
Phosphorus	ppm	█ 972	█ 985	---	---
Barium	ppm	█ 0	█ 8	---	---
Boron	ppm	█ 37	█ 46	---	---

Depot: FERDET
Unique No: 10525527
Signed: Wes Davis
Report Date: 24 Jun 2023



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GRAPHS

