



CONSTRUCTION EQUIPMENT

714994 SENNEBOGEN 840 2368 - DIESEL ENGINE



Sample No: VCP454467
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 714994



SAMPLE INFORMATION

Sample Number	VCP454467	VCP431517	---	---
Sample Date	14 May 2024	11 Oct 2023	---	---
Machine Hours	1555	604	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	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	12.4	10.9	---	---
Base Number (BN)	mg KOH/g	9.4	7.6	---	---
Oxidation (PA)	%	67	71	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.2	---	---
Nitration (PA)	%	66	79	---	---
Sulfation (PA)	%	54	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	2.9	---	---
Silicon	ppm	7	13	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	10	68	---	---



WEAR METALS

Iron	ppm	13	26	---	---
Copper	ppm	4	14	---	---
Lead	ppm	3	<1	---	---
Tin	ppm	3	<1	---	---
Aluminum	ppm	6	11	---	---
Chromium	ppm	3	<1	---	---
Molybdenum	ppm	60	61	---	---
Nickel	ppm	3	0	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	3	0	---	---
Manganese	ppm	3	4	---	---
Vanadium	ppm	2	0	---	---



ADDITIVES

Calcium	ppm	1060	1771	---	---
Magnesium	ppm	926	381	---	---
Zinc	ppm	1182	1050	---	---
Phosphorus	ppm	994	952	---	---
Barium	ppm	1	6	---	---
Boron	ppm	2	85	---	---

Depot: FERDET
Unique No: 11033683
Signed: Don Baldrige
Report Date: 20 May 2024



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GRAPHS

