



CONSTRUCTION EQUIPMENT

703206 FRITZ SENNEBOGEN 835C 2743 - DIESEL ENGINE



Sample No: VCP446425
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 703206 FRITZ



SAMPLE INFORMATION

Sample Number	VCP446425	VCP397561	VCP370622	VCP354131
Sample Date	29 Apr 2024	25 Mar 2023	30 Nov 2022	21 Apr 2022
Machine Hours	10751	10245	9309	6517
Oil Hours	500	0	500	700
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	SEVERE

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T: (313)348-8861
 F: (248)356-2029



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.8	■ 13.1	■ 13.2	---
Base Number (BN)	mg KOH/g	■ 9.1	■ 10.5	■ 9.8	■ 86.8
Oxidation (PA)	%	86	78	79	497

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	▲ 5.00
Soot %	%	■ 0.1	■ 0.1	■ 0.2	■ 1.6
Nitration (PA)	%	73	52	84	849
Sulfation (PA)	%	62	61	61	122
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	▲ 4.2	<1.0	<1.0	■ 0.3
Silicon	ppm	■ 14	■ 8	■ 3	■ <1
Sodium	ppm	■ 2	■ 29	■ <1	■ 0
Potassium	ppm	■ 5	■ 2	■ 3	■ 2



WEAR METALS

Iron	ppm	■ 5	■ 9	■ 11	■ 0
Copper	ppm	■ 0	■ 3	■ <1	■ <1
Lead	ppm	■ 0	■ <1	■ 0	■ <1
Tin	ppm	■ <1	■ <1	■ <1	■ <1
Aluminum	ppm	■ 4	■ 2	■ 1	■ 0
Chromium	ppm	■ 0	■ <1	■ <1	■ 0
Molybdenum	ppm	■ 41	■ 41	■ 62	■ 0
Nickel	ppm	■ 0	■ <1	■ 0	■ <1
Titanium	ppm	0	■ 0	0	0
Silver	ppm	■ 0	■ 0	■ 0	■ <1
Manganese	ppm	■ <1	■ <1	■ <1	■ 0
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	■ 1585	■ 1489	■ 1092	● 0
Magnesium	ppm	■ 475	■ 533	■ 920	● <1
Zinc	ppm	■ 1048	■ 1104	■ 1221	● 0
Phosphorus	ppm	■ 868	■ 925	■ 982	● 3
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 65	■ 54	■ <1	■ 2

Depot: VOLVO2990
Unique No: 11007252
Signed: Wes Davis
Report Date: 07 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

