



CONSTRUCTION EQUIPMENT

594920 SENNEBOGEN 830 2567 - DIESEL ENGINE



Sample No: VCP418197
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 594920



SAMPLE INFORMATION

Sample Number	VCP418197	VCP401146	VCP392942	VCP402798
Sample Date	25 Aug 2023	14 Jul 2023	19 Jun 2023	22 Mar 2023
Machine Hours	9390	9054	8895	8211
Oil Hours	500	0	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	12.9	14.6	13.8	13.5
Base Number (BN)	mg KOH/g	9.8	8.4	4.9	6.4
Oxidation (PA)	%	92	63	93	77

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

Soot %	%	0.2	0.1	0.3	0.3
Nitration (PA)	%	76	54	89	88
Sulfation (PA)	%	65	53	69	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	6	7
Sodium	ppm	4	0	4	2
Potassium	ppm	3	2	2	2

WEAR METALS

Iron	ppm	19	10	18	15
Copper	ppm	2	2	1	2
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	6	1	3	4
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	47	61	93	95
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1826	1141	2293	2268
Magnesium	ppm	611	808	39	90
Zinc	ppm	1281	1152	1309	1305
Phosphorus	ppm	1020	984	1042	1109
Barium	ppm	0	0	0	2
Boron	ppm	34	<1	26	32

Depot: FERDET
Unique No: 10632438
Signed: Wes Davis
Report Date: 05 Sep 2023



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VOLVO GRAPHS

