



CONSTRUCTION EQUIPMENT

SPM621075 SENNEBOGEN 830E 2885 - DIESEL ENGINE



Sample No: VCP429581
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM621075



SAMPLE INFORMATION

Sample Number	VCP429581	VCP382759	VCP367782	VCP366494
Sample Date	24 Oct 2023	17 Mar 2023	10 Nov 2022	14 Jun 2022
Machine Hours	4786	4426	3874	3203
Oil Hours	0	500	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
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 F:

OIL CONDITION

Visc @ 100°C	cSt	13.4	12.9	12.8	12.9
Base Number (BN)	mg KOH/g	8.6	6.8	6.6	6.9
Oxidation (PA)	%	57	58	67	61

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 %	%	0.1	0.2	0.4	0.2
Nitration (PA)	%	57	84	92	78
Sulfation (PA)	%	52	53	59	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	9	4	4
Sodium	ppm	<1	0	<1	2
Potassium	ppm	0	2	0	2

WEAR METALS

Iron	ppm	5	20	8	7
Copper	ppm	0	3	1	<1
Lead	ppm	0	<1	1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	3	2	3
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	64	52	25	74
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	1386	1189	2020	2129
Magnesium	ppm	839	814	28	74
Zinc	ppm	1384	1156	1123	1215
Phosphorus	ppm	1076	933	921	975
Barium	ppm	0	0	8	0
Boron	ppm	19	2	35	57

Depot: FERDET
Unique No: 10727203
Signed: Wes Davis
Report Date: 07 Nov 2023



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VOLVO GRAPHS

