

CONSTRUCTION EQUIPMENT

673135 SENNEBOGEN 840 840.0.2369 - DIESEL ENGINE



Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 673135

Magnesium

Phosphorus

Zinc

Barium

Boron

SAMPLE II	NFORMATION				
Sample Number	-	VCP445839	VCP424040	VCP408794	
Sample Date		10 Feb 2024	10 Aug 2023	18 May 2023	
Machine Hours		2322	1119	534	
Oil Hours		500	500	534	
Oil Changed		Changed	Changed	Changed	
Sample Status		ATTENTION	NORMAL	ABNORMAL	
OIT CONDI.	TION				
Visc @ 100°C	cSt	12.4	13.3	△ 11.3	
Base Number (BN)	mg KOH/g	■8.3	6.2	6.4	
Oxidation (PA)	%	61	73	73	
CONTAMIN	IATION				
_			NEC	NEC	
Water	%	NEG	NEG	NEG	
Soot %	%	■ 0.3	0.2	0.2	
Nitration (PA)	%	68	91	88	
Sulfation (PA)	%	55	59	57	
Glycol	%	NEG	NEG	NEG	
Fuel	%	▲ 3.6	<1.0	2.5	
Silicon	ppm	2	5	□ 16	
Sodium	ppm	2	2	8	
Potassium	ppm	2	1 9	■ 24	
VOLVO					
WEAR ME	TALS				
Iron	ppm	9	1 3	2 6	
Copper	ppm	■<1	2	1 4	
Lead	ppm	■ 0	- <1	- <1	
Tin	ppm	■<1	- <1	- <1	
Aluminum	ppm	■ 3	■8	■8	
Chromium	ppm	■ <1	- <1	- <1	
Molybdenum	ppm	60	9 0	7 9	
Nickel	ppm	■ 0	0	<1	
Titanium	ppm	0	0	3	
Silver	ppm	■ 0	0	□0	
Manganese	ppm	■<1	- <1	5	
Vanadium	ppm	0	0	0	
ADDITIVE	Z				
Calcium	ppm	1262	2325	2124	
		A	_		

46

1349

1055

0

34

147

1248

964

0

40



FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: F:

Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. 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. Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:FERDETUnique No:10896455Signed:Wes DavisReport Date:27 Feb 2024

Contact/Location: KEITH HALL - FERDET

ppm

ppm

ppm

ppm

ppm

1 719

1032

947

0

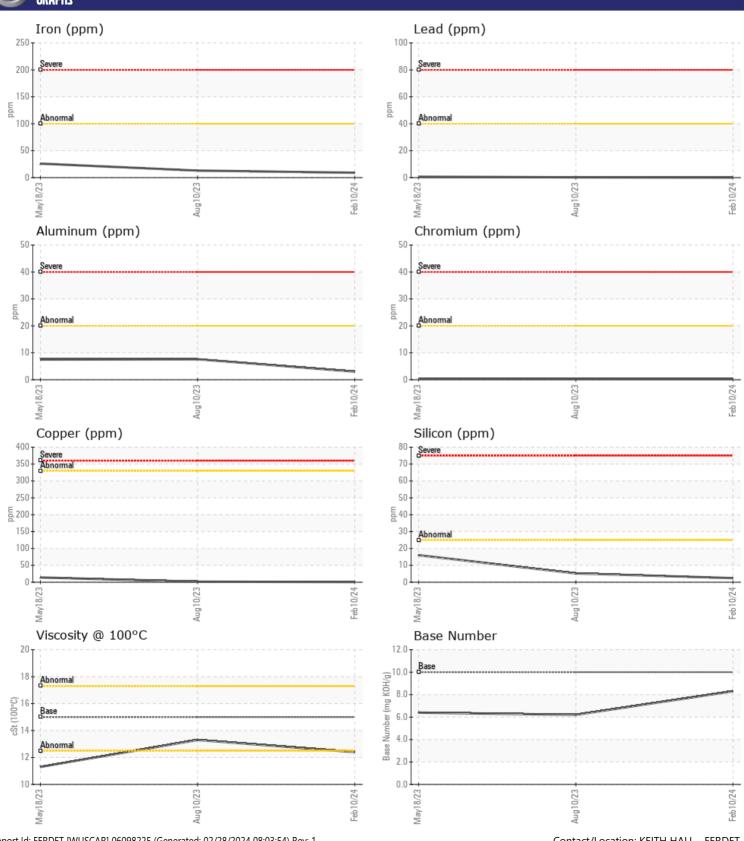
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CONSTRUCTION EQUIPMENT







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Contact/Location: KEITH HALL - FERDET