



CONSTRUCTION EQUIPMENT

715284 SENNEBOGEN 840E 840.0.2242 - FRONT AXLE



Sample No: VCP446431
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 715284



SAMPLE INFORMATION

Sample Number	VCP446431	VCP429175	VCP399382	VCP345961
Sample Date	10 May 2024	04 Oct 2023	15 Feb 2023	22 Mar 2022
Machine Hours	6378	5029	3811	1807
Oil Hours	1000	1000	0	1807
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 @ 40°C	cSt	139	132	147	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	3	4
Sodium	ppm	<1	0	0	5
Potassium	ppm	0	<1	0	0

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	3	4	28
Copper	ppm	2	1	2	11
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	32	17	10
Magnesium	ppm	0	28	6	0
Zinc	ppm	7	26	29	9
Phosphorus	ppm	498	650	1772	1249
Barium	ppm	0	<1	0	361
Boron	ppm	8	16	161	6

Depot: FERDET
Unique No: 11034521
Signed: Angela Borella
Report Date: 21 May 2024



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GRAPHS

