



CONSTRUCTION EQUIPMENT

660752 NORTHSTAR BLU SENNEBOGEN 850 3139 - REAR RIGHT FINAL DRIVE



Sample No: VCP445858
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 660752 NORTHSTAR BLU



SAMPLE INFORMATION

Sample Number	VCP445858	VCP412070	VCP382920	VCP396150
Sample Date	13 Feb 2024	26 Jul 2023	06 Feb 2023	15 Nov 2022
Machine Hours	3118	1921	952	509
Oil Hours	1118	1000	500	509
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
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OIL CONDITION

Visc @ 40°C	cSt	132	151	153	185
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	3
Sodium	ppm	2	0	<1	3
Potassium	ppm	0	<1	<1	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	29	20	13	25
Copper	ppm	3	6	2	5
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	2	26	7
Magnesium	ppm	0	0	<1	<1
Zinc	ppm	4	4	15	2
Phosphorus	ppm	474	1777	1741	1077
Barium	ppm	1	5	45	337
Boron	ppm	8	34	136	3

Depot: VOLVO2990
Unique No: 10896933
Signed: Sean Felton
Report Date: 26 Feb 2024



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GRAPHS

