



CONSTRUCTION EQUIPMENT

660752 NORTHSTAR BLU SENNEBOGEN 850 3139 - FRONT LEFT FINAL DRIVE



Sample No: VCP445855
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 660752 NORTHSTAR BLU



SAMPLE INFORMATION

Sample Number	VCP445855	VCP416283	VCP382917	VCP396145
Sample Date	13 Feb 2024	26 Jul 2023	06 Feb 2023	17 Nov 2022
Machine Hours	3118	1921	952	509
Oil Hours	1118	1000	500	509
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
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 T: (313)348-8861
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OIL CONDITION

Visc @ 40°C	cSt	132	157	168	185
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	5	3	<1
Sodium	ppm	2	0	2	2
Potassium	ppm	0	2	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	60	86	73	25
Copper	ppm	4	12	6	3
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	2	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	10	12	14	10
Magnesium	ppm	0	0	1	<1
Zinc	ppm	8	25	22	6
Phosphorus	ppm	525	2014	1423	1029
Barium	ppm	10	99	157	248
Boron	ppm	12	127	61	2

Depot: VOLVO2990
Unique No: 10896940
Signed: Sean Felton
Report Date: 26 Feb 2024



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GRAPHS

