



CONSTRUCTION EQUIPMENT

660752 NORTHSTAR BLU SENNEBOGEN 850 3139 - FRONT AXLE



Sample No: VCP445853
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 660752 NORTHSTAR BLU



SAMPLE INFORMATION

Sample Number	VCP445853	VCP416282	VCP382915	VCP396143
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	NORMAL	ABNORMAL	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	130	146	147	184
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	6	3	8
Sodium	ppm	2	0	<1	2
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	3	5	3	7
Copper	ppm	1	4	3	14
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2	0	5	9
Magnesium	ppm	0	0	<1	0
Zinc	ppm	2	4	6	4
Phosphorus	ppm	410	1906	1953	1086
Barium	ppm	0	0	4	322
Boron	ppm	3	127	172	2

Depot: VOLVO2990
Unique No: 10896936
Signed: Sean Felton
Report Date: 26 Feb 2024



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GRAPHS

