



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area

Ascendum Machinery

Machine Id

SENNEBOGEN 821E RTH5 (S/N 82102699)

Component

Propel Drive Gearbox

Fluid

VOLVO VDS-4.5 Premium Motor Oil 15W40 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007111	ASC0000377	VCP0006691
Sample Date		Client Info		10 Apr 2024	09 Aug 2023	12 Apr 2023
Machine Age	hrs	Client Info		5663	5133	4027
Oil Age	hrs	Client Info		4027	1106	4027
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	29	1	5
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		5	<1	<1
Lead	ppm	ASTM D5185m		3	<1	0
Copper	ppm	ASTM D5185m		122	<1	6
Tin	ppm	ASTM D5185m		3	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE

CONTAMINATION

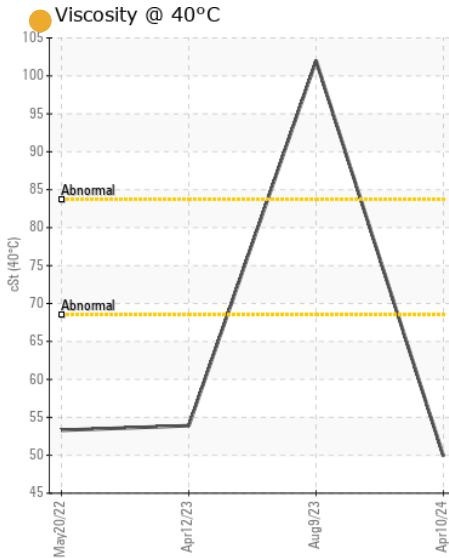
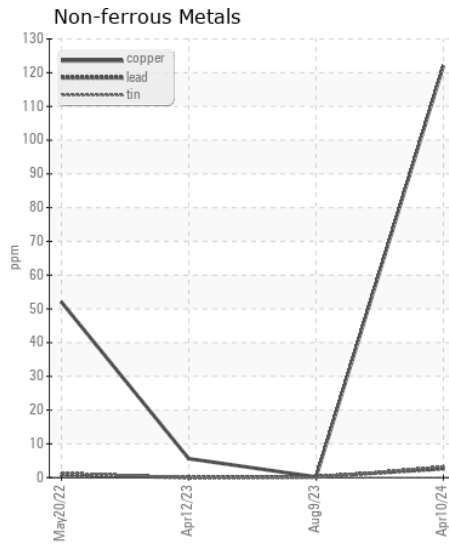
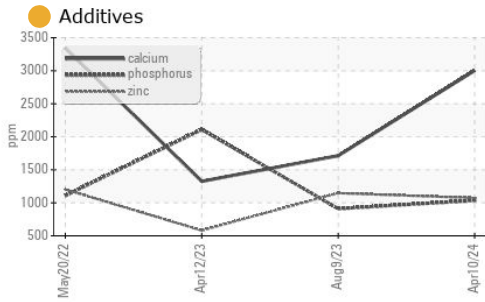
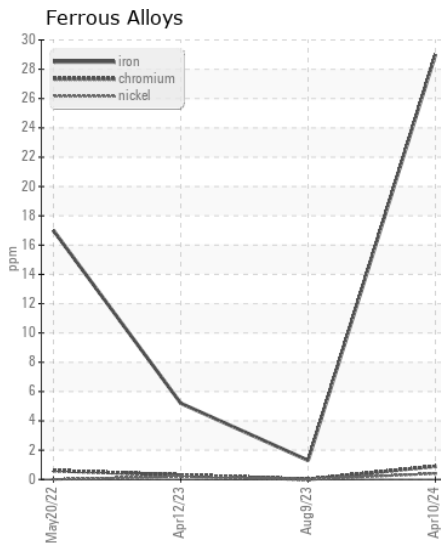
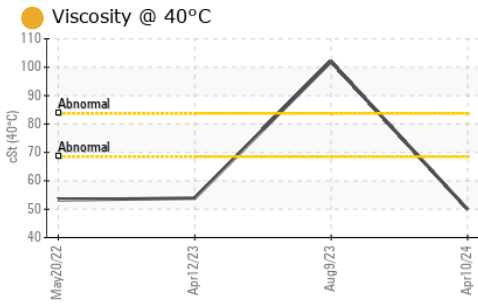
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		6	9	6
Potassium	ppm	ASTM D5185m	>20	4	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	MODER
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		32	1	7
Boron	ppm	ASTM D5185m		10	83	267
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		0	37	0
Manganese	ppm	ASTM D5185m		50	<1	<1
Magnesium	ppm	ASTM D5185m		7	499	5
Calcium	ppm	ASTM D5185m		3003	1713	1325
Phosphorus	ppm	ASTM D5185m		1035	910	2111
Zinc	ppm	ASTM D5185m		1072	1146	581
Sulfur	ppm	ASTM D5185m		10368	3546	17124
Visc @ 40°C	cSt	ASTM D445		49.9	102	53.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007111
Lab Number : 06149152
Unique Number : 10979230
Test Package : CONST
Received : 15 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 17 Apr 2024 - Sean Felton

HILCO TRANSPORT
 7700 KENMONT RD
 GREENSBORO, NC
 US 27409

Contact: MIKE LAUGHEAD
 mlaughead@hilcotransport.com
 T: (336)273-9441
 F: (336)273-9701

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)