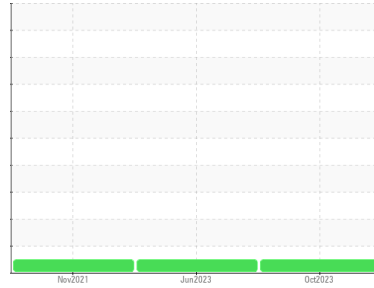




Area
Ascendum Machinery
 Machine Id
VOLVO L180H 15 (S/N 5263)
 Component
Front Axle
 Fluid
VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			ASC0005022	ASC0000187	VCP0000080
Sample Date	Client Info			09 Oct 2023	14 Jun 2023	23 Nov 2021
Machine Age	hrs Client Info			9558	8015	4025
Oil Age	hrs Client Info			1543	3990	4025
Oil Changed	Client Info			Not Chngd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

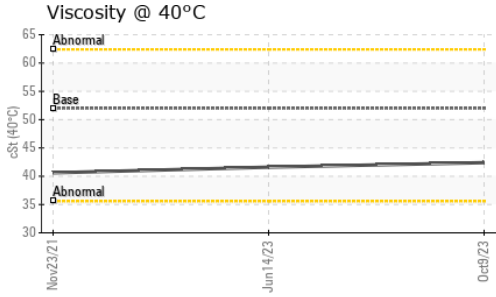
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	45	91	151
Chromium	ppm	ASTM D5185m	>20	1	2	5
Nickel	ppm	ASTM D5185m	>10	<1	1	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	<1	0
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	4	8	28
Tin	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	121	127	112
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	3
Manganese	ppm	ASTM D5185m		1	3	7
Magnesium	ppm	ASTM D5185m	0	12	15	7
Calcium	ppm	ASTM D5185m	3800	3794	3946	4022
Phosphorus	ppm	ASTM D5185m	1200	1272	1305	1378
Zinc	ppm	ASTM D5185m	1500	1606	1677	1484
Sulfur	ppm	ASTM D5185m	6500	5117	4771	3237

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	13	9
Sodium	ppm	ASTM D5185m		0	7	0
Potassium	ppm	ASTM D5185m	>20	2	2	2

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT

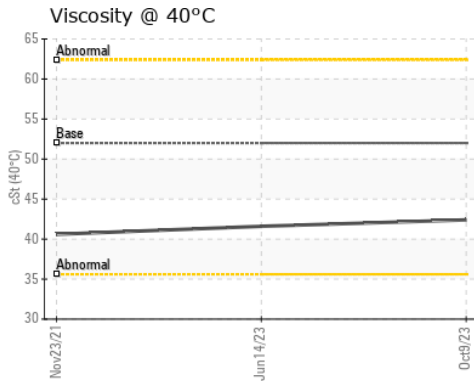
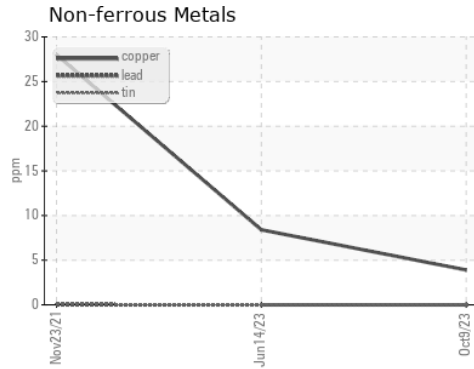
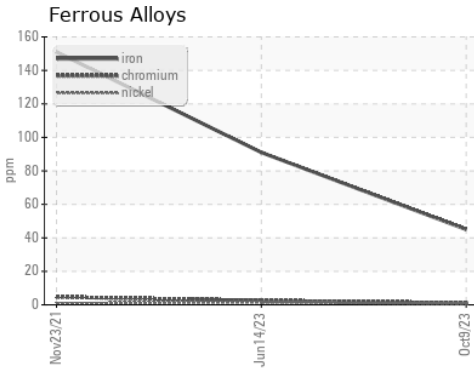


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	52.0	42.4	41.6	40.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0005022 **Received** : 13 Oct 2023
Lab Number : 05978547 **Diagnosed** : 17 Oct 2023
Unique Number : 10695842 **Diagnostician** : Don Baldrige
Test Package : CONST

EGGER WOOD PRODUCTS
 300 EGGER PARKWAY
 LINWOOD, NC
 US 27299
 Contact: HELMUT THOMAY
 helmut.thomay@egger.com
 T:
 F:

Certificate L2367
 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)