



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery/Colfax, NC
 Machine Id
VOLVO L70H L70HV623762
 Component
Rear Axle
 Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0009784	ASC0007628	ASC0000048
Sample Date		Client Info		14 Jun 2024	01 Mar 2024	29 Jun 2023
Machine Age	hrs	Client Info		5003	5003	3998
Oil Age	hrs	Client Info		3998	1005	1861
Filter Age	hrs	Client Info		0	0	1861
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		None	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	23	24	155
Chromium	ppm	ASTM D5185m	>20	<1	0	5
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	<1	0	22
Tin	ppm	ASTM D5185m	>20	0	0	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

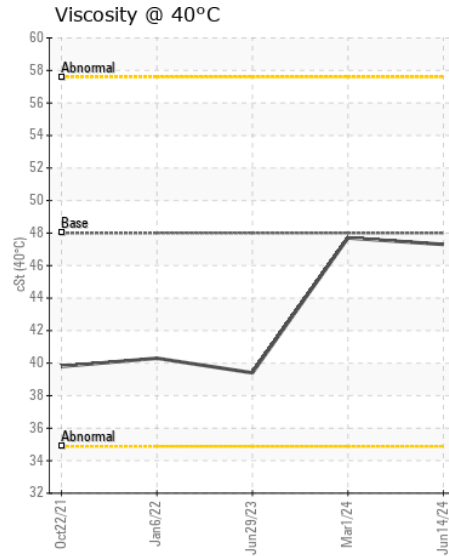
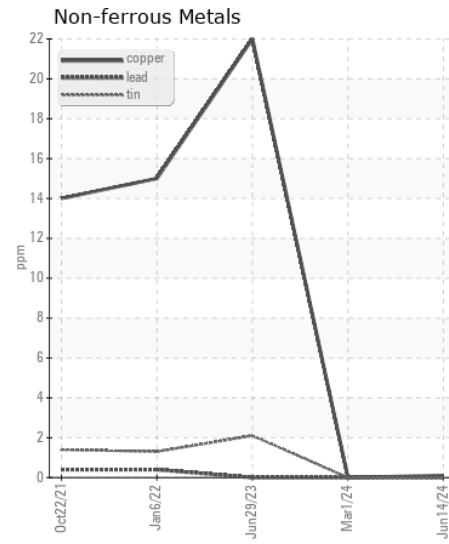
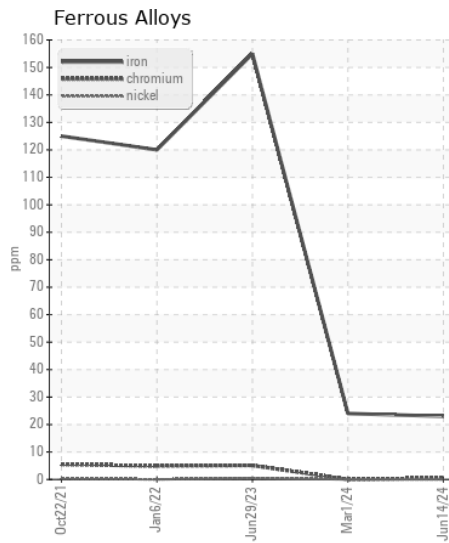
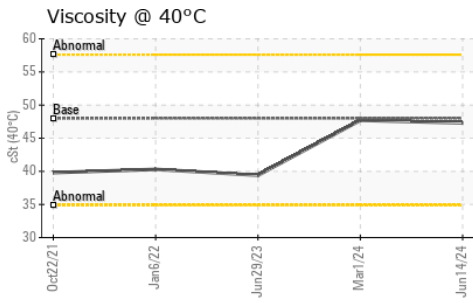
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	12	13	15
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	1	7
Boron	ppm	ASTM D5185m	160	117	121	118
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	25	5	4	4
Manganese	ppm	ASTM D5185m		<1	<1	12
Magnesium	ppm	ASTM D5185m	12	30	32	13
Calcium	ppm	ASTM D5185m	3750	3529	3408	3773
Phosphorus	ppm	ASTM D5185m	1200	1208	1186	1381
Zinc	ppm	ASTM D5185m	1500	1464	1404	1621
Sulfur	ppm	ASTM D5185m	6000	3477	3090	4778
Visc @ 40°C	cSt	ASTM D445	48	47.3	47.7	39.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009784
Lab Number : 06213891
Unique Number : 11086755
Test Package : CONST

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Wes Davis

OLDCASTLE MATERIALS
 900 ASHWOOD PARKWAY SUITE 600
 ATLANTA, GA
 US 30338

Contact: BRIAN MELLO
 brian.mello@oldcastlematerials.com

T: (800)899-8455

F:

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)