CONST

ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Ascendum Machinery
Machine Id
VOLVO L180H 5674
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

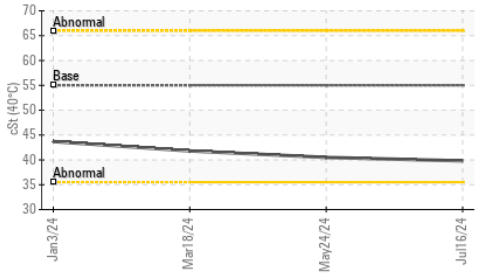
There is no indication of any contamination in the oil.

FLUID CONDITION

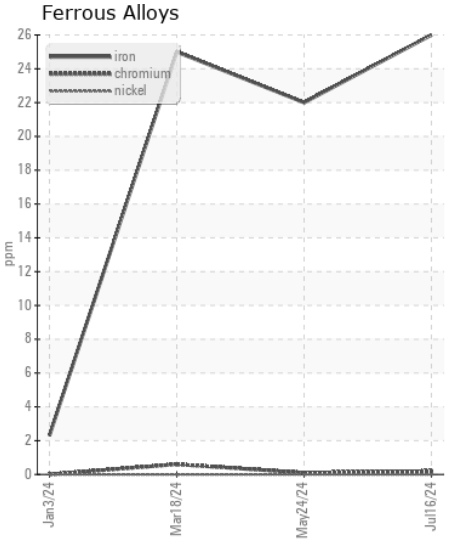
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0008263	ASC0009578	ASC0007623
Sample Date		Client Info		16 Jul 2024	24 May 2024	18 Mar 2024
Machine Age	hrs	Client Info		2086	1488	997
Oil Age	hrs	Client Info		2086	1488	997
Filter Age	hrs	Client Info		0	0	997
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	26	22	25
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	15	13	6
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	8	10	11
Potassium	ppm	ASTM D5185m	>20	2	3	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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
Sodium	ppm	ASTM D5185m		9	10	10
Boron	ppm	ASTM D5185m		101	149	116
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	1	2
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m		2	9	8
Calcium	ppm	ASTM D5185m		3754	3833	3868
Phosphorus	ppm	ASTM D5185m		1355	1469	1336
Zinc	ppm	ASTM D5185m		1442	1613	1637
Sulfur	ppm	ASTM D5185m		4520	4741	4642
Visc @ 40°C	cSt	ASTM D445	55	39.8	40.5	41.8

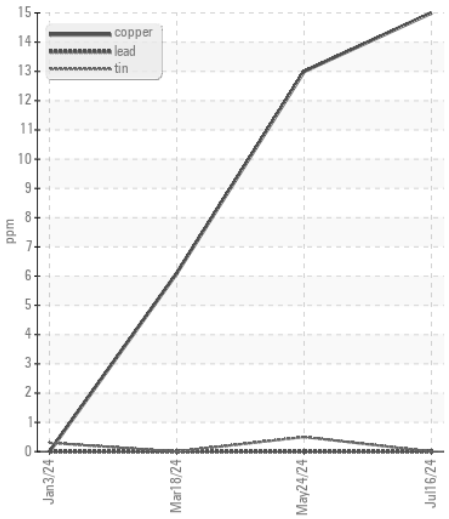
Viscosity @ 40°C



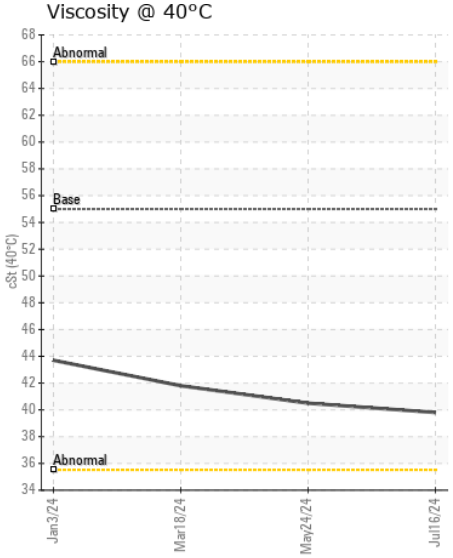
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: ASC0008263	**Received**	: 18 Jul 2024
Lab Number	: 06240785	**Tested**	: 19 Jul 2024
Unique Number	: 11129619	**Diagnosed**	: 19 Jul 2024 - Wes Davis
Test Package	: CONST		

METAL RECYCLING SERVICES - MONROE
P.O. BOX 812
MONROE, NC
US 28111
Contact: RYAN BOWDEN
T:
F: (704)238-0755

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)