CONST ASCENDUM

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO EC140E 315905
Component
Left Travel
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The tin level has decreased, but is still abnormal. All other component wear rates are normal.

CONTAMINATION

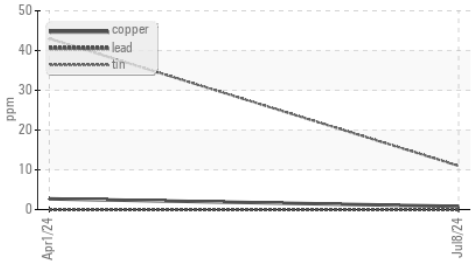
There is no indication of any contamination in the oil.

FLUID CONDITION

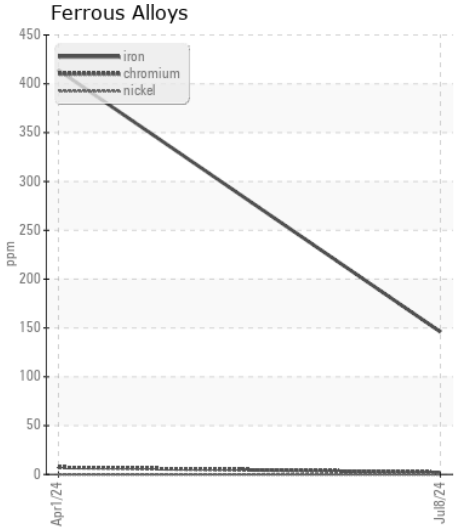
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0008331	ASC0000900	---
Sample Date		Client Info		08 Jul 2024	01 Apr 2024	---
Machine Age	hrs	Client Info		964	554	---
Oil Age	hrs	Client Info		410	554	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	146	414	---
Chromium	ppm	ASTM D5185m	>20	2	7	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>100	<1	<1	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>60	<1	3	---
Tin	ppm	ASTM D5185m	>5	▲ 11	▲ 43	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>150	5	10	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	MODER	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		6	4	---
Boron	ppm	ASTM D5185m	111	138	0	---
Barium	ppm	ASTM D5185m	0.0	0	1	---
Molybdenum	ppm	ASTM D5185m	0.9	0	0	---
Manganese	ppm	ASTM D5185m	0.0	2	6	---
Magnesium	ppm	ASTM D5185m	39	0	2	---
Calcium	ppm	ASTM D5185m	93	18	25	---
Phosphorus	ppm	ASTM D5185m	920	912	326	---
Zinc	ppm	ASTM D5185m	104	16	26	---
Sulfur	ppm	ASTM D5185m	20179	28065	18721	---
Visc @ 40°C	cSt	ASTM D445	333	269	141	---

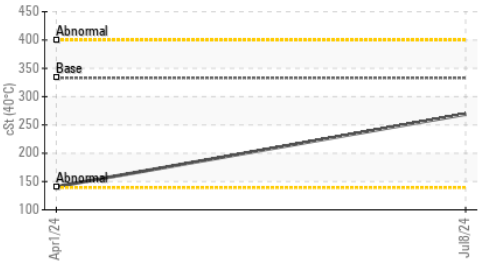
Non-ferrous Metals



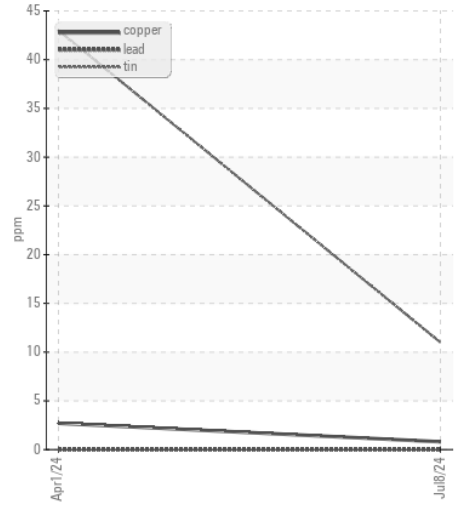
Ferrous Alloys



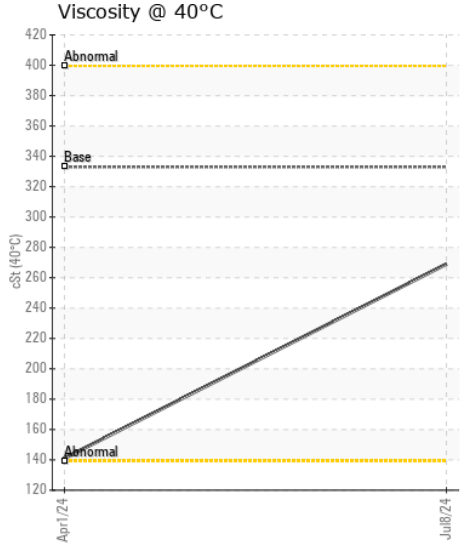
Viscosity @ 40°C



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: ASC0008331	**Received**	: 11 Jul 2024
Lab Number	: 06233569	**Tested**	: 12 Jul 2024
Unique Number	: 11117062	**Diagnosed**	: 13 Jul 2024 - Don Baldridge
Test Package	: CONST		

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)

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