ASCENDUM
CONST

OIL ANALYSIS REPORT

WEAR	**NORMAL**
CONTAMINATION	**NORMAL**
FLUID CONDITION	**NORMAL**

Machine Id
VOLVO ECR88D (S/N 219240)
Component
Left Travel
Fluid
{not provided} (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION						
Sample Number		Client Info		ASC0003006	---	---
Sample Date		Client Info		10 May 2024	---	---
Machine Age	hrs	Client Info		213	---	---
Oil Age	hrs	Client Info		213	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

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
WEAR						
Iron	ppm	ASTM D5185m	>500	233	---	---
Chromium	ppm	ASTM D5185m	>20	3	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>100	<1	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>60	2	---	---
Tin	ppm	ASTM D5185m	>5	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	MODER	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

All component wear rates are normal.

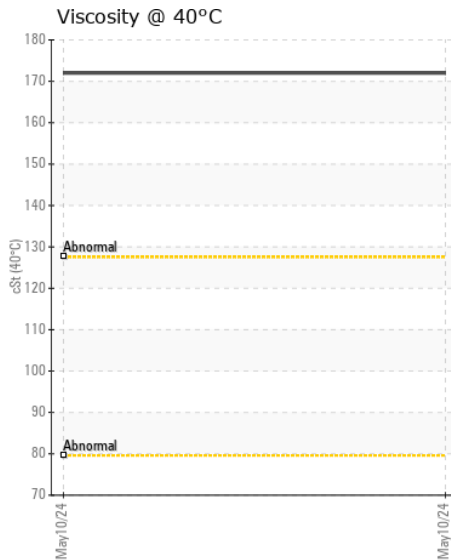| Test	UOM	Method	Limit/Abn	Current	History1	History2
CONTAMINATION						
Silicon	ppm	ASTM D5185m	>150	4	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
FLUID CONDITION						
Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		<1	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		<1	---	---
Calcium	ppm	ASTM D5185m		13	---	---
Phosphorus	ppm	ASTM D5185m		339	---	---
Zinc	ppm	ASTM D5185m		14	---	---
Sulfur	ppm	ASTM D5185m		17808	---	---
Visc @ 40°C	cSt	ASTM D445		172	---	---
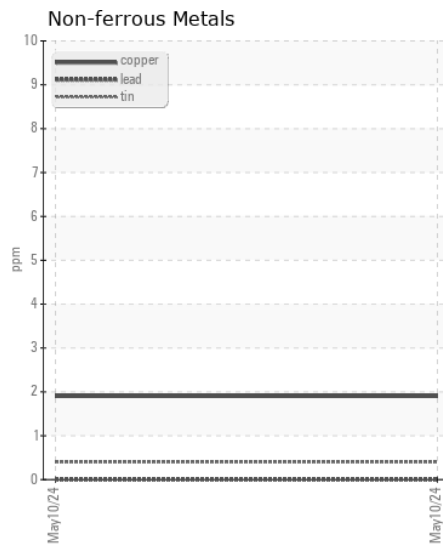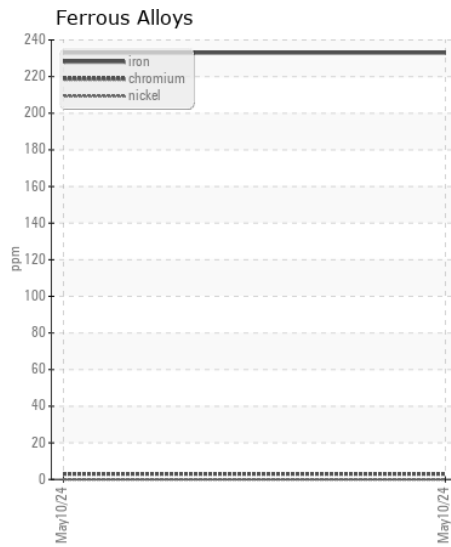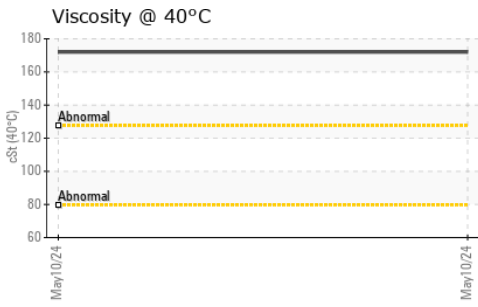
The condition of the oil is acceptable for the time in service.

Viscosity @ 40°C

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 40°C

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)

Certificate L2367