



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**[BRYSON PARK]**  
Machine Id  
**VOLVO EC350EL 270 (S/N 314311)**  
Component  
**Hydraulic System**  
Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP372128	VCP000945	---
Sample Date		Client Info		11 Jul 2022	08 Mar 2022	---
Machine Age	hrs	Client Info		1107	614	---
Oil Age	hrs	Client Info		0	614	---
Filter Age	hrs	Client Info		0	614	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>25	2	2	---
Chromium	ppm	ASTM D5185m	>10	1	1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	<1	<1	---
Lead	ppm	ASTM D5185m	>20	0	<1	---
Copper	ppm	ASTM D5185m	>150	16	12	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

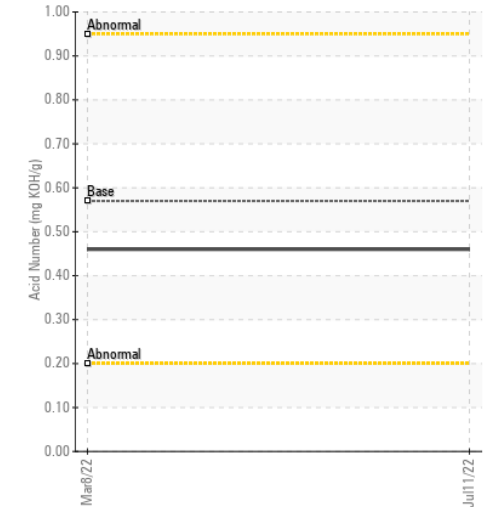
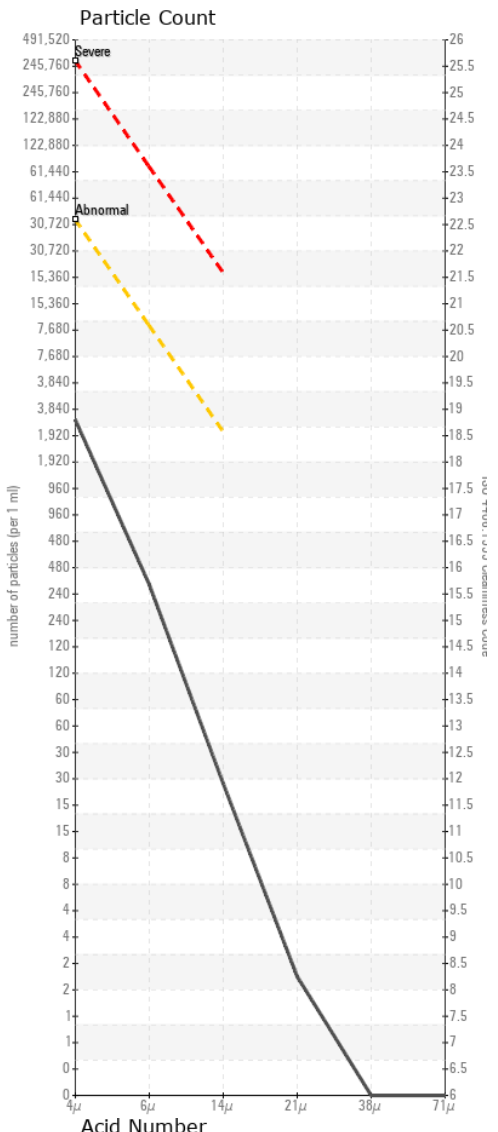
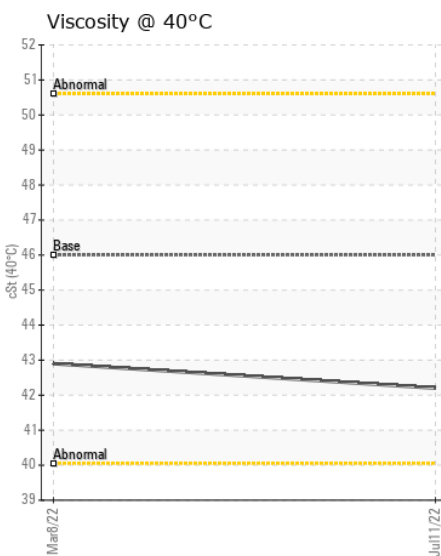
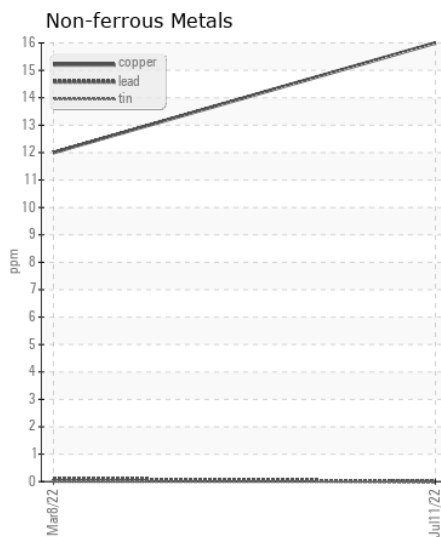
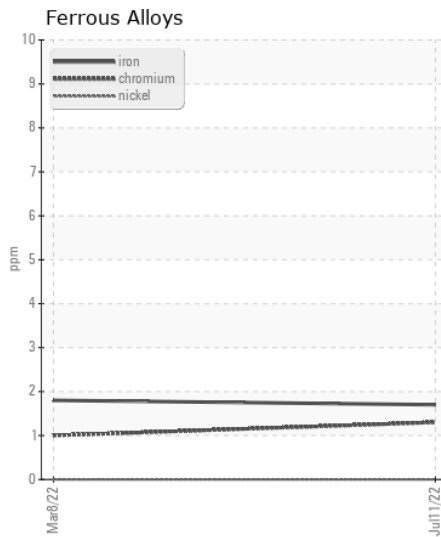
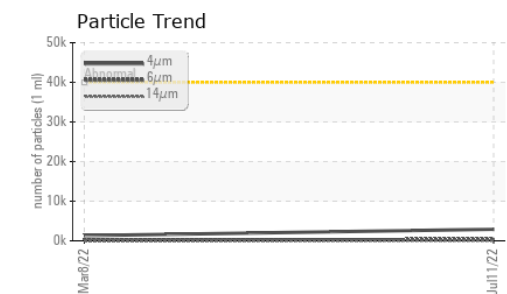
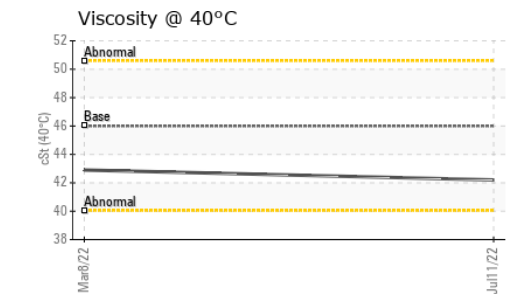
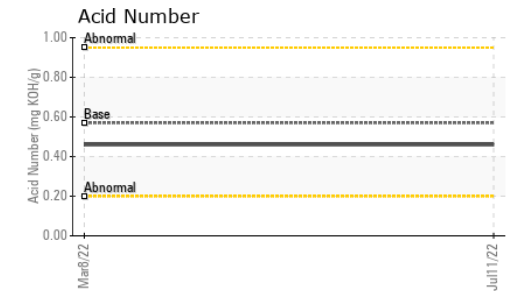
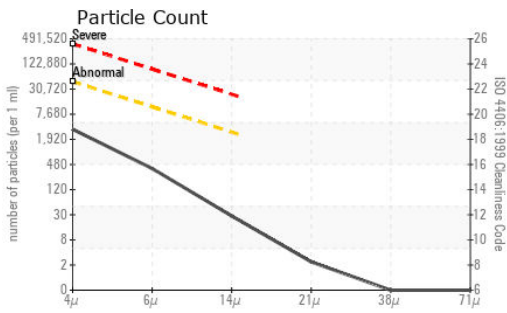
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>50	2	2	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>40000	2922	1311	---
Particles >6µm		ASTM D7647	>10000	338	133	---
Particles >14µm		ASTM D7647	>2500	25	14	---
Particles >21µm		ASTM D7647	>640	2	5	---
Particles >38µm		ASTM D7647	>160	0	0	---
Particles >71µm		ASTM D7647	>40	0	0	---
Oil Cleanliness		ISO 4406 (c)	>22/20/18	19/16/12	18/14/11	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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	>0.1	NEG	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	5	0	0	---
Barium	ppm	ASTM D5185m	5	0	0	---
Molybdenum	ppm	ASTM D5185m	5	0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m	25	0	0	---
Calcium	ppm	ASTM D5185m	200	74	88	---
Phosphorus	ppm	ASTM D5185m	300	387	409	---
Zinc	ppm	ASTM D5185m	370	504	536	---
Sulfur	ppm	ASTM D5185m	2500	974	915	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46	0.46	---
Visc @ 40°C	cSt	ASTM D445	46	42.2	42.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP372128  
**Lab Number** : 05620073  
**Unique Number** : 10099580  
**Test Package** : MOB 2

**Received** : 17 Aug 2022  
**Tested** : 18 Aug 2022  
**Diagnosed** : 18 Aug 2022 - Wes Davis

**LEOTERRA DEVELOPMENT INC**  
 110 SHIELDS PARK DR  
 KERNERSVILLE, NC  
 US 27284  
 Contact: JASON LEE  
 jason.lee@leoterradevelopment.com  
 T: (704)298-5228  
 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)