



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

KYNOCKS [401564]

Machine Id

VOLVO E380EL 315163

Component

Rear Left Final Drive

Fluid

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP391653	---	---
Sample Date		Client Info		18 Apr 2024	---	---
Machine Age	hrs	Client Info		2203	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		847	---	---
Iron	ppm	ASTM D5185(m)	>500	1179	---	---
Chromium	ppm	ASTM D5185(m)	>10	21	---	---
Nickel	ppm	ASTM D5185(m)	>10	1	---	---
Titanium	ppm	ASTM D5185(m)		5	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	79	---	---
Lead	ppm	ASTM D5185(m)	>25	0	---	---
Copper	ppm	ASTM D5185(m)	>50	2	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

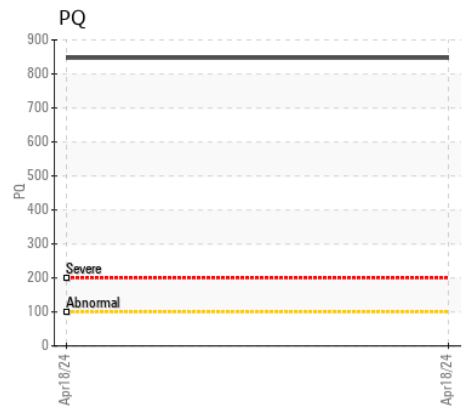
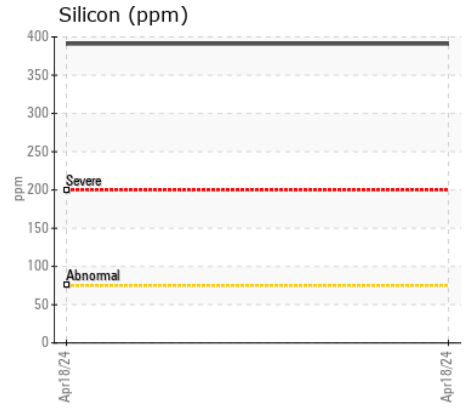
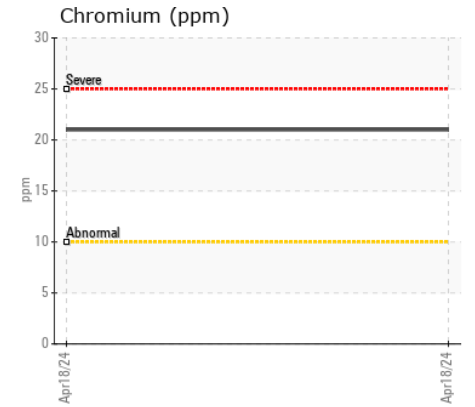
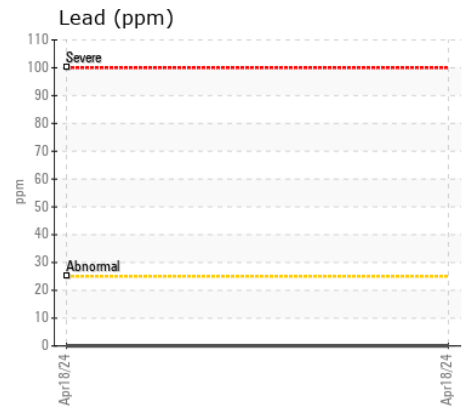
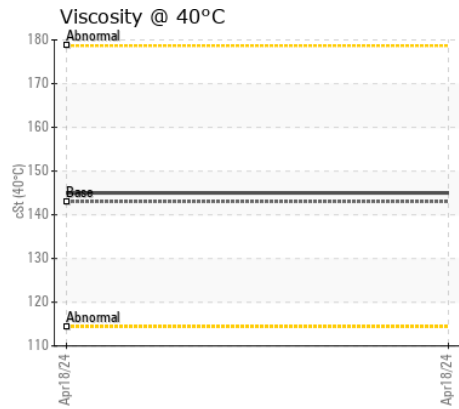
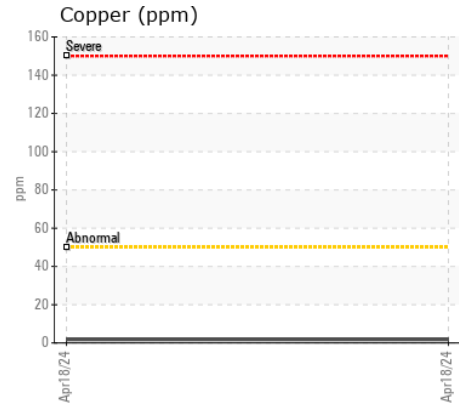
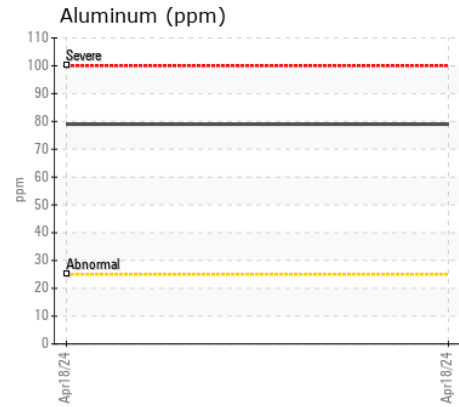
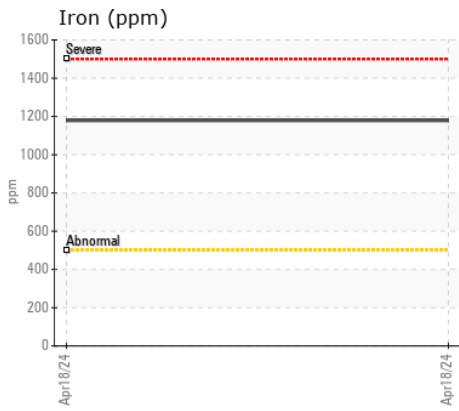
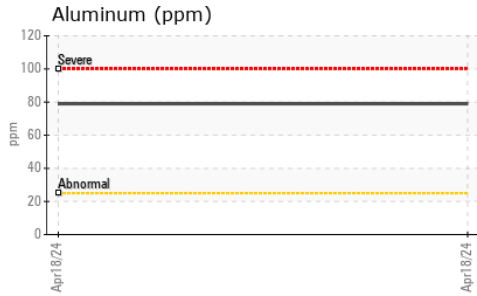
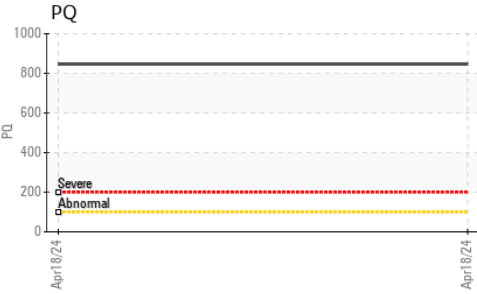
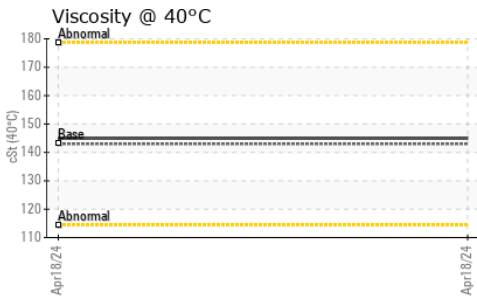
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	391	---	---
Potassium	ppm	ASTM D5185(m)	>20	28	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	LIGHT	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>170	17	---	---
Boron	ppm	ASTM D5185(m)	400	121	---	---
Barium	ppm	ASTM D5185(m)	200	0	---	---
Molybdenum	ppm	ASTM D5185(m)	12	<1	---	---
Manganese	ppm	ASTM D5185(m)		11	---	---
Magnesium	ppm	ASTM D5185(m)	12	11	---	---
Calcium	ppm	ASTM D5185(m)	150	44	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	844	---	---
Zinc	ppm	ASTM D5185(m)	125	9	---	---
Sulfur	ppm	ASTM D5185(m)	22500	20675	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	145	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : VCP391653

Lab Number : 02630668

Unique Number : 5763800

Test Package : MOB 1 (Additional Tests: PQ)

Received : 22 Apr 2024

Tested : 23 Apr 2024

Diagnosed : 23 Apr 2024 - Kevin Marson

STRONGCO EQUIPMENT INC.

55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK

DARTMOUTH, NS

CA B3B 1N6

Contact: Lindsay Downs

ldowns@strongco.com

T: (902)468-5010

F: (902)468-2468

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.