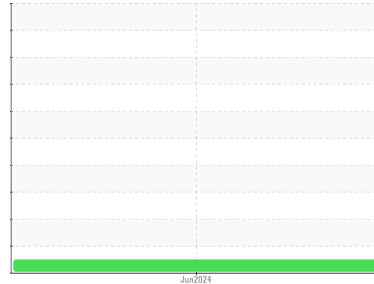




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[W02008386]
 Machine Id
VOLVO A30G 742011
 Component
Diesel Engine
 Fluid
{not provided} (11 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. (Customer Sample Comment: W02008386)

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ML0002502	---	---
Sample Date	Client Info		11 Jun 2024	---	---
Machine Age	hrs Client Info		8888	---	---
Oil Age	hrs Client Info		500	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>100	2	---	---
Chromium	ppm ASTM D5185m	>20	0	---	---
Nickel	ppm ASTM D5185m	>2	<1	---	---
Titanium	ppm ASTM D5185m		0	---	---
Silver	ppm ASTM D5185m	>2	0	---	---
Aluminum	ppm ASTM D5185m	>25	<1	---	---
Lead	ppm ASTM D5185m	>40	0	---	---
Copper	ppm ASTM D5185m	>330	<1	---	---
Tin	ppm ASTM D5185m	>15	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		2	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		75	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		37	---	---
Manganese	ppm ASTM D5185m		1	---	---
Magnesium	ppm ASTM D5185m		463	---	---
Calcium	ppm ASTM D5185m		1737	---	---
Phosphorus	ppm ASTM D5185m		877	---	---
Zinc	ppm ASTM D5185m		1024	---	---
Sulfur	ppm ASTM D5185m		3142	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	5	---	---
Sodium	ppm ASTM D5185m		5	---	---
Potassium	ppm ASTM D5185m	>20	2	---	---
Fuel	% ASTM D3524	>6.0	3.8	---	---

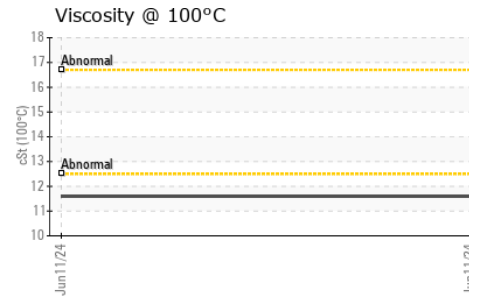
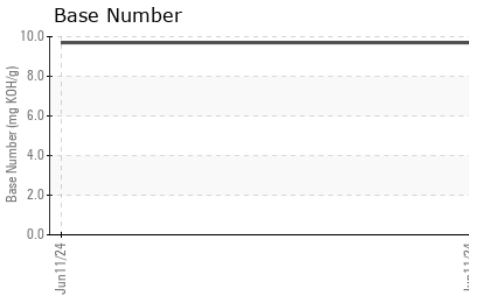
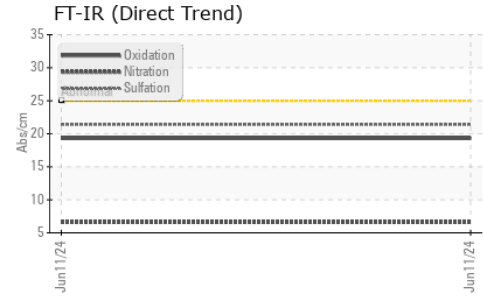
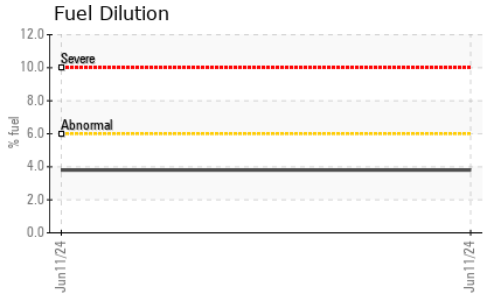
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	0.2	---	---
Nitration	Abs/cm *ASTM D7624	>20	6.6	---	---
Sulfation	Abs/.1mm *ASTM D7415	>30	21.4	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	19.3	---	---
Base Number (BN)	mg KOH/g ASTM D2896		9.7	---	---

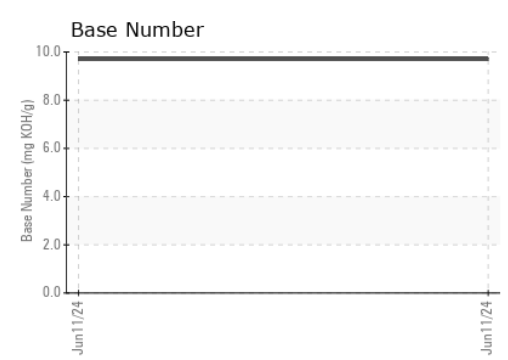
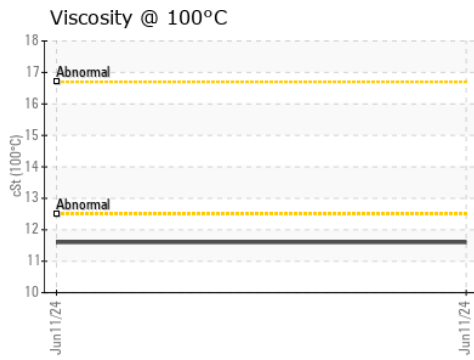
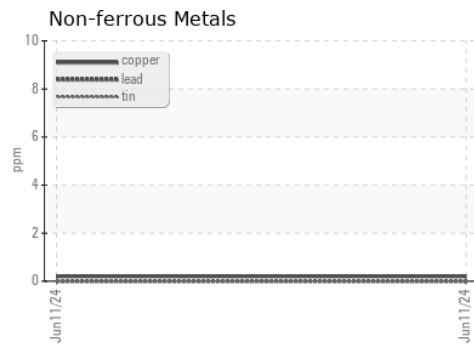
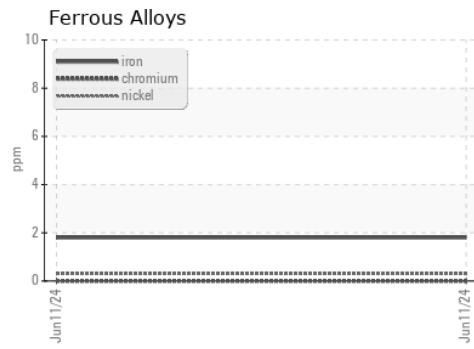
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
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	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	11.6	---	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002502 **Received** : 13 Jun 2024
Lab Number : **06209464** **Tested** : 19 Jun 2024
Unique Number : 11076925 **Diagnosed** : 19 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

S. W. RODGERS
 PO BOX 398, 5816 Wellington Rd, Gainesville, VA
 GAINESVILLE, VA
 US 20156
 Contact: SERVICE MANAGER

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)

T: (703)754-8100

F: