

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# VOLVO 480445

AMSOIL (ATM) SYN MOTOR OIL10W30 (34 LTR)

### DIAGNOSIS

#### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

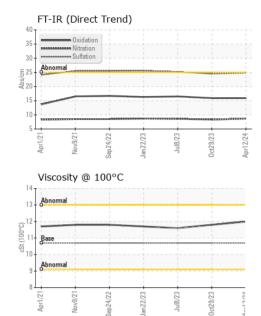
### Fluid Condition

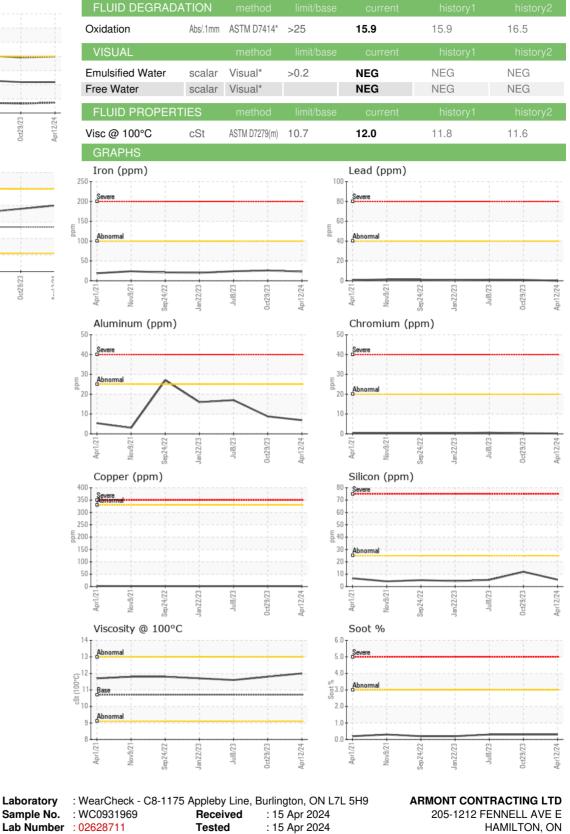
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM			linoi#//e e com	ou unite set	biotowst	biotom 0
	ATION	method	limit/base		history1	history2
Sample Number		Client Info		WC0931969	WC0874492	WC0836891
Sample Date		Client Info		12 Apr 2024	29 Oct 2023	08 Jul 2023
Machine Age	kms	Client Info		1958899	1905976	1858528
Oil Age	kms	Client Info		53000	47447	52134
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	23	26	24
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	7	9	17
Lead	ppm	ASTM D5185(m)	>40	0	1	1
Copper	ppm	ASTM D5185(m)	>330	1	2	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	1	1
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		14	12	13
Calcium	ppm	ASTM D5185(m)		2308	2266	2265
Phosphorus	ppm	ASTM D5185(m)		837	819	884
Zinc	ppm	ASTM D5185(m)		1014	990	1008
Sulfur	ppm	ASTM D5185(m)		2708	2648	2763
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	12	5
Sodium	ppm	ASTM D5185(m)		7	8	8
Potassium	ppm	ASTM D5185(m)	>20	13	17	39
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.7	8.3	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.8	24.5	25.2



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ISO 17025:2017 Accredited Unique Number : 5761843 Diagnosed : 15 Apr 2024 - Kevin Marson Laboratory Test Package : MOB 1 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.

HAMILTON, ON

CA L8T 1T2 Contact: Danilo danilom@armont.ca T: (647)855-8538 F:

Report Id: ARMHAM [WCAMIS] 02628711 (Generated: 04/15/2024 16:00:02) Rev: 1

CALA

Laboratory

Sample No.

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Submitted By: ?
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