



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
VOLVO 30T HDTR825

Component
Transmission (Auto)

Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)



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

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0883860	---	---
Sample Date	Client Info		07 Dec 2023	---	---
Machine Age	hrs	Client Info	21253	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>160	28	---
Chromium	ppm	ASTM D5185(m)	>5	0	---
Nickel	ppm	ASTM D5185(m)	>5	2	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>5	<1	---
Aluminum	ppm	ASTM D5185(m)	>50	27	---
Lead	ppm	ASTM D5185(m)	>50	<1	---
Copper	ppm	ASTM D5185(m)	>225	21	---
Tin	ppm	ASTM D5185(m)	>10	6	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

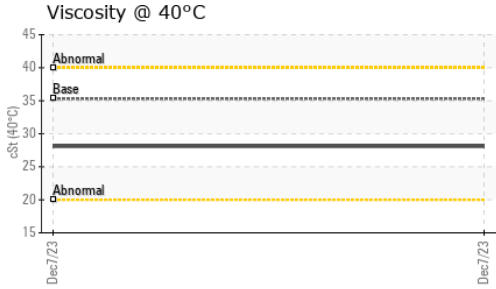
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	187	76	---
Barium	ppm	ASTM D5185(m)	0.0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	---
Manganese	ppm	ASTM D5185(m)	0.0	3	---
Magnesium	ppm	ASTM D5185(m)	6.8	1	---
Calcium	ppm	ASTM D5185(m)	215	72	---
Phosphorus	ppm	ASTM D5185(m)	445	201	---
Zinc	ppm	ASTM D5185(m)	56	6	---
Sulfur	ppm	ASTM D5185(m)	1336	1710	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	14	---
Sodium	ppm	ASTM D5185(m)		5	---
Potassium	ppm	ASTM D5185(m)	>20	3	---



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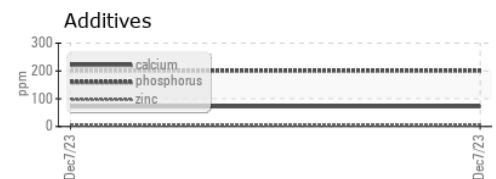
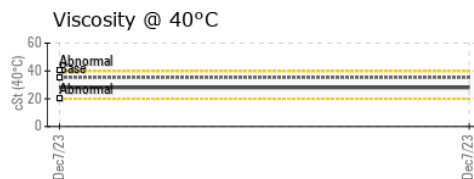
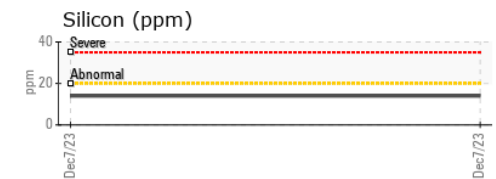
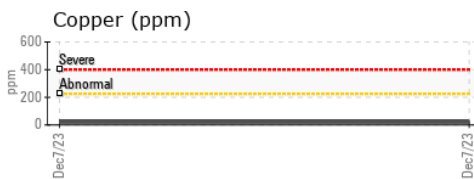
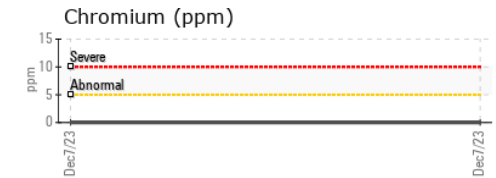
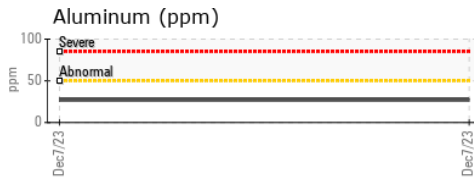
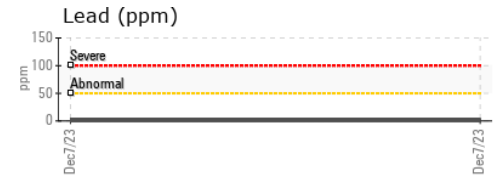
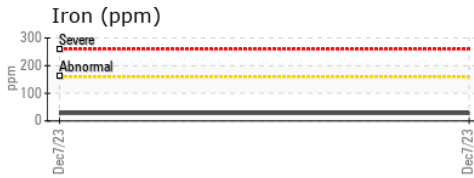
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	35.3	28.1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0883860 **Received** : 15 Dec 2023
Lab Number : **02603534** **Diagnosed** : 15 Dec 2023
Unique Number : 5696619 **Diagnostician** : Wes Davis
Test Package : MOB 1

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mitch Lamontagne
 AEM_KL_macassaoilsampleresults@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.