



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A25D 7706 (S/N A250U5577)
Component
Transmission (Auto)
Fluid
PETRO CANADA ATF D3M (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075762	PC0069188	PC0028897
Sample Date		Client Info		08 Jan 2024	12 Apr 2023	08 Dec 2020
Machine Age	hrs	Client Info		16946	15779	13312
Oil Age	hrs	Client Info		0	1000	0
Filter Age	hrs	Client Info		0	1000	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	None
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	9	16	30
Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>5	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	9	13	17
Lead	ppm	ASTM D5185(m)	>50	5	9	15
Copper	ppm	ASTM D5185(m)	>225	134	▲ 233	▲ 392
Tin	ppm	ASTM D5185(m)	>10	7	▲ 12	20
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

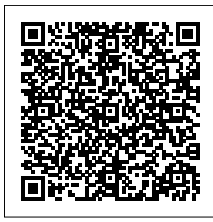
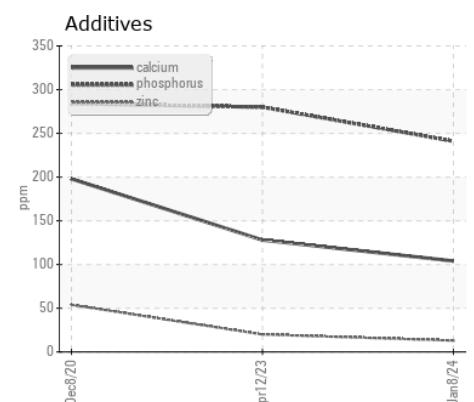
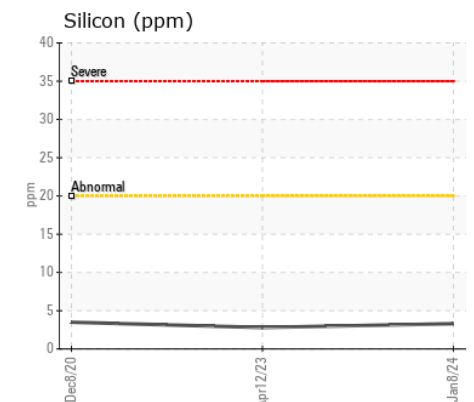
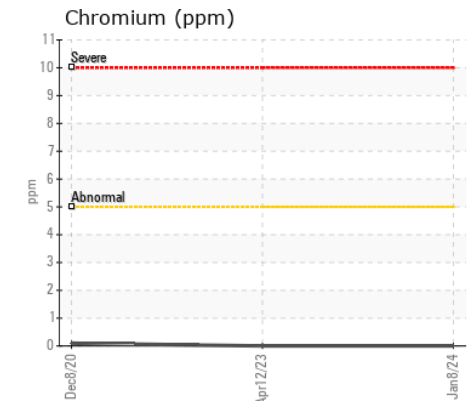
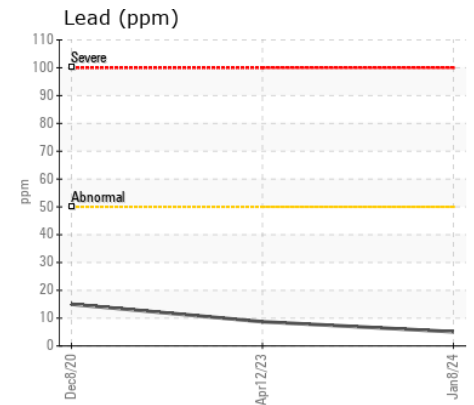
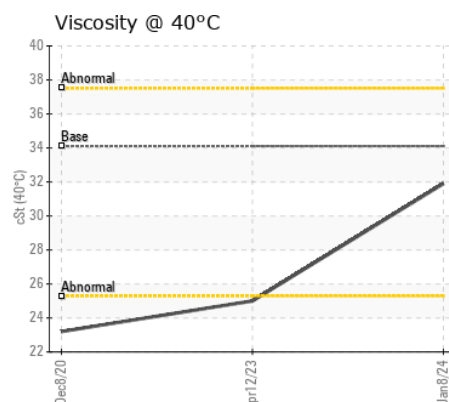
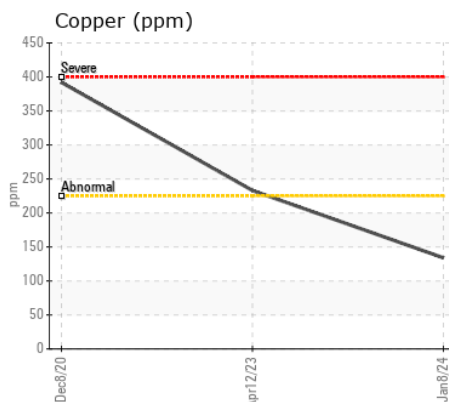
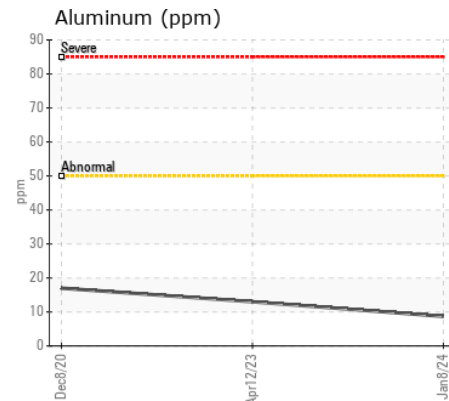
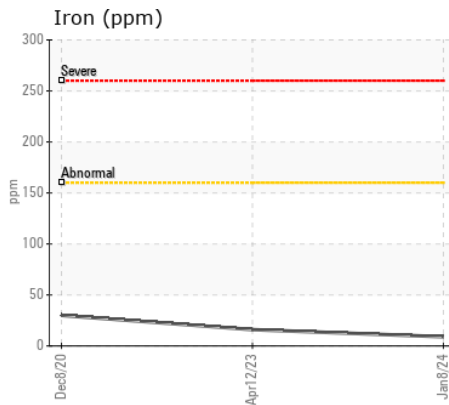
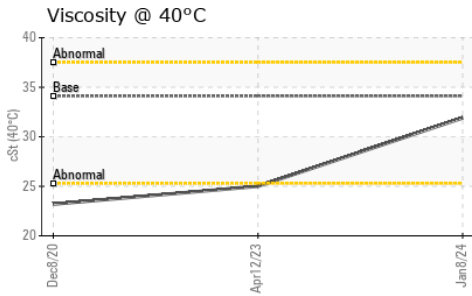
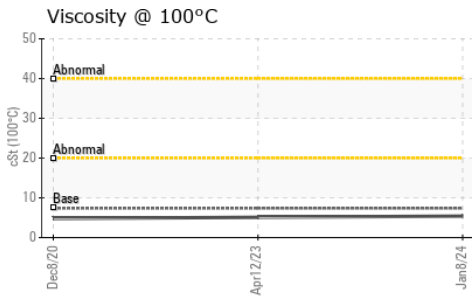
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	3	3	4
Potassium	ppm	ASTM D5185(m)	>20	1	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	4	7
Boron	ppm	ASTM D5185(m)	98	100	99	90
Barium	ppm	ASTM D5185(m)	<0.00	0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	<1	4	2	2
Calcium	ppm	ASTM D5185(m)	70	104	128	198
Phosphorus	ppm	ASTM D5185(m)	220	241	280	284
Zinc	ppm	ASTM D5185(m)		13	20	54
Sulfur	ppm	ASTM D5185(m)	710	884	917	1159
Visc @ 40°C	cSt	ASTM D7279(m)	34.11	31.9	25.0	23.2
Visc @ 100°C	cSt	ASTM D7279(m)	7.37	5.4	5.1	▲ 4.8
Viscosity Index (VI)	Scale	ASTM D2270*	190	102	136	130



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075762
Lab Number : 02616312
Unique Number : 5733422
Test Package : MOB 1 (Additional Tests: KV100, VI)

TRUCK AND EQUIPMENT SOLUTION
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 Contact: Julie Holden
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Received : 16 Feb 2024
Tested : 16 Feb 2024
Diagnosed : 16 Feb 2024 - Kevin Marson

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.