



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A25D 7706 (S/N A250U5577)
Component
Front Left Final Drive
Fluid
PETRO CANADA TRAXON 80W90 (5 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075116	PC0069183	PC0045570
Sample Date		Client Info		08 Jan 2024	12 Apr 2023	07 Sep 2021
Machine Age	hrs	Client Info		16946	15779	14295
Oil Age	hrs	Client Info		0	1006	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>900	25	24	69
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>50	<1	0	<1
Copper	ppm	ASTM D5185(m)	>150	2	1	4
Tin	ppm	ASTM D5185(m)	>20	0	0	<1
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

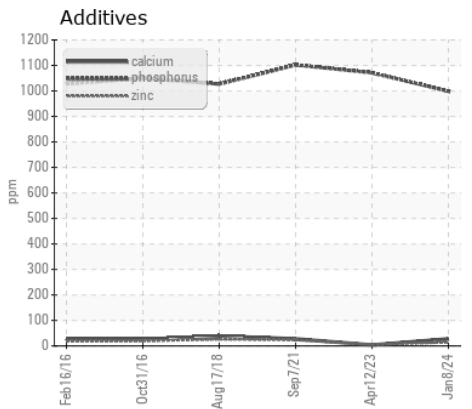
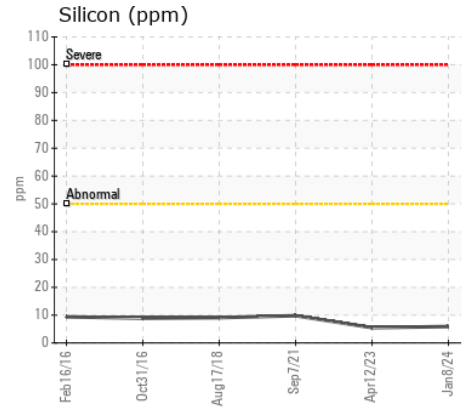
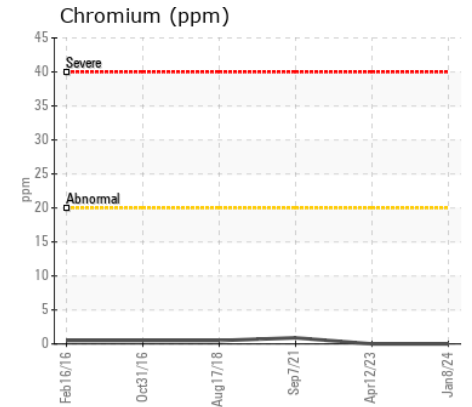
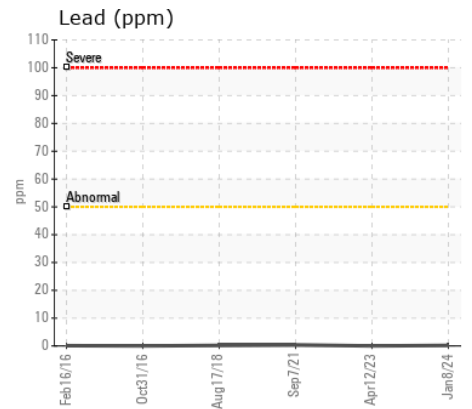
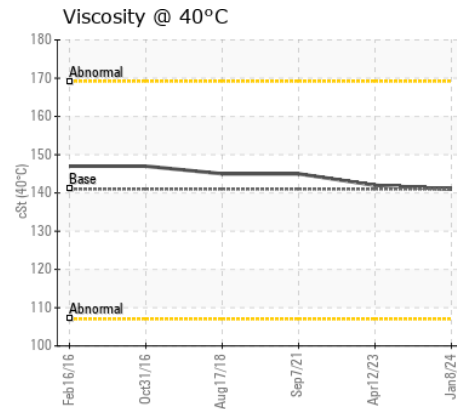
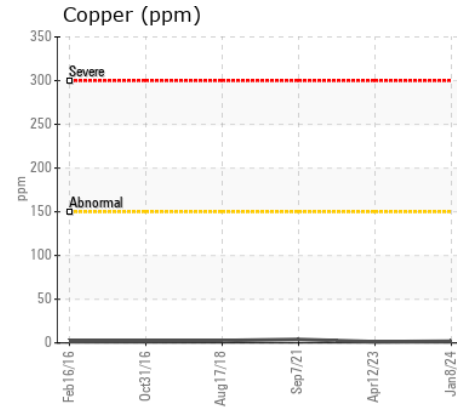
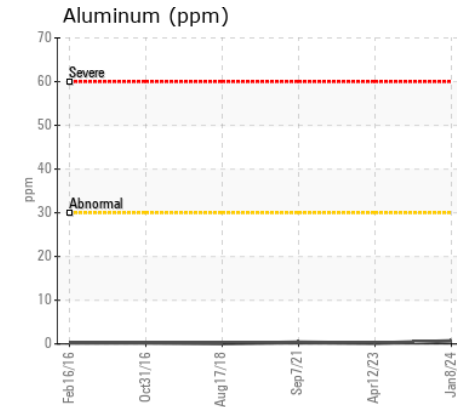
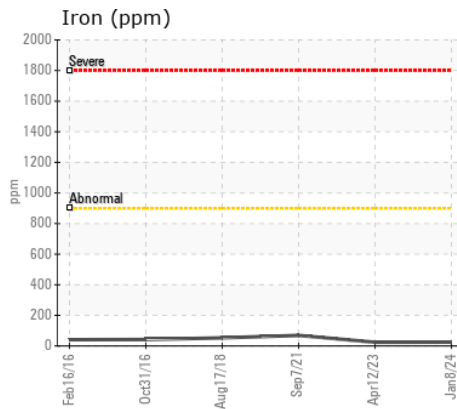
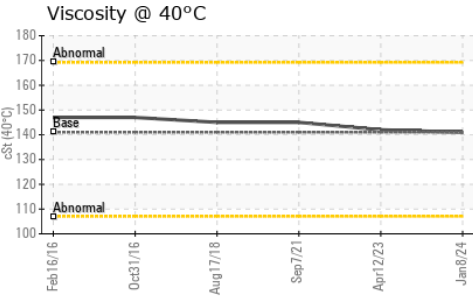
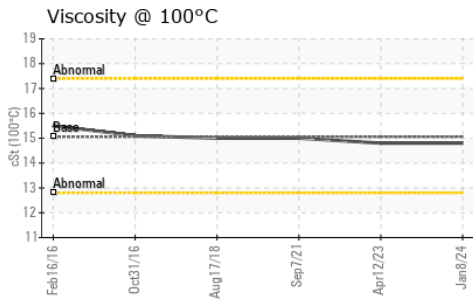
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	6	6	10
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	1
Boron	ppm	ASTM D5185(m)	243	248	250	236
Barium	ppm	ASTM D5185(m)	1	<1	0	5
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		0	<1	1
Magnesium	ppm	ASTM D5185(m)	2	1	<1	2
Calcium	ppm	ASTM D5185(m)	6	28	4	28
Phosphorus	ppm	ASTM D5185(m)	987	999	1071	1102
Zinc	ppm	ASTM D5185(m)	1	14	5	23
Sulfur	ppm	ASTM D5185(m)	21530	18234	18433	24390
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	141	142	145
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	14.8	14.8	15.0
Viscosity Index (VI)	Scale	ASTM D2270*	108	104	104	103



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075116 **Received** : 16 Feb 2024
Lab Number : 02616335 **Tested** : 16 Feb 2024
Unique Number : 5733445 **Diagnosed** : 16 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

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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.