



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A25D 7706 (S/N A250U5577)
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (32 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075756	PC0069186	PC0051507
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	500	0
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	8	33
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	2	2	4
Lead	ppm	ASTM D5185(m)	>20	1	<1	1
Copper	ppm	ASTM D5185(m)	>15	<1	<1	1
Tin	ppm	ASTM D5185(m)	>10	<1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

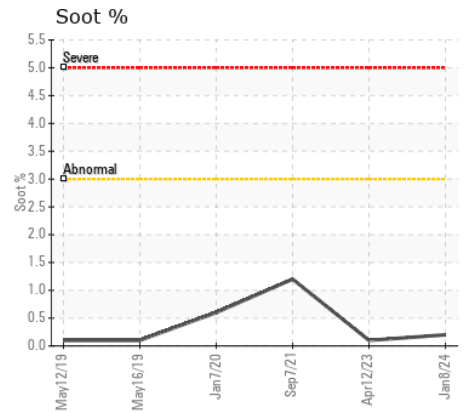
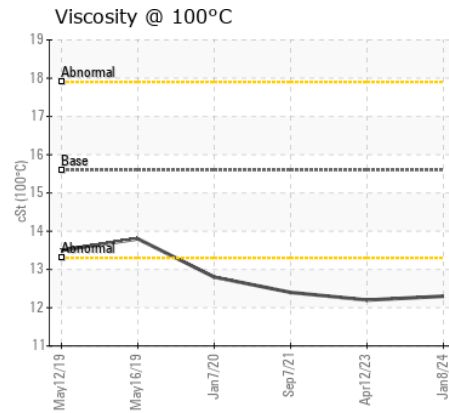
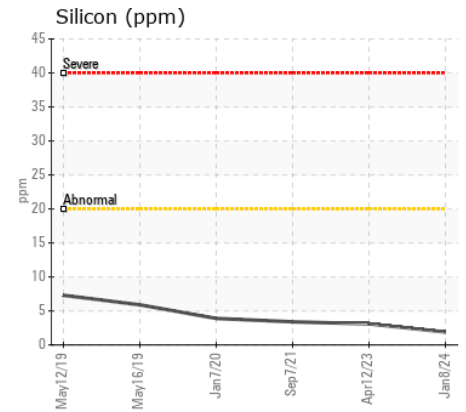
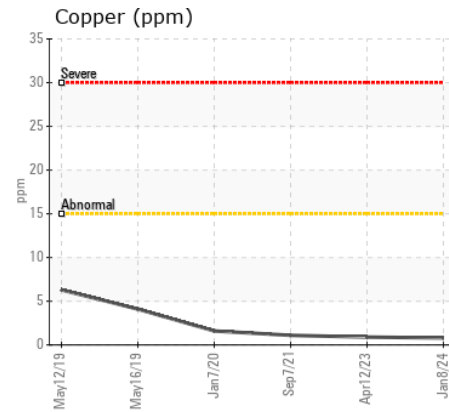
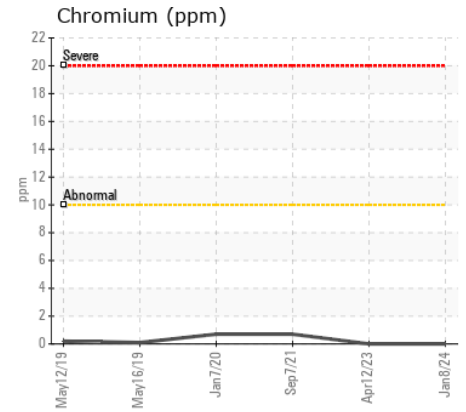
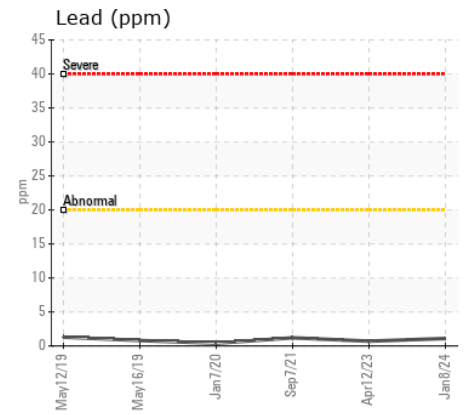
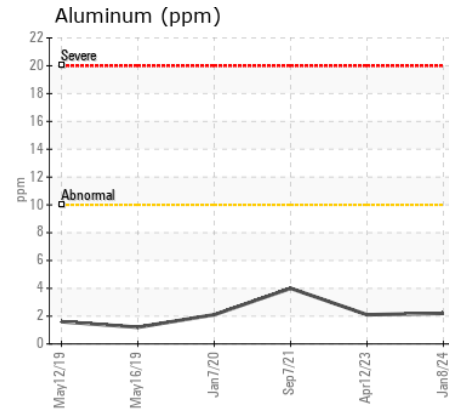
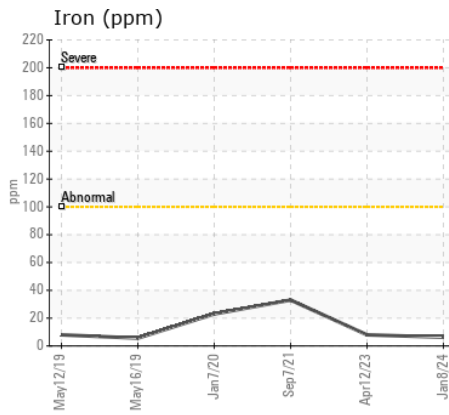
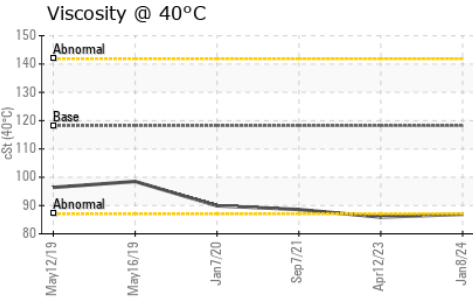
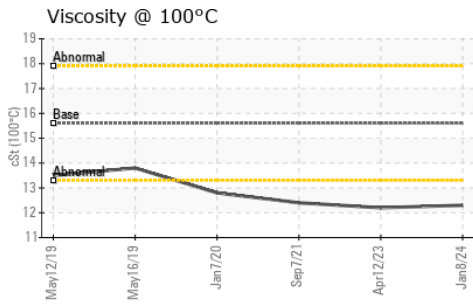
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
Fuel		WC Method	>3.0	<1.0	<1.0	2.2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.1	1.2
Nitration	Abs/cm	ASTM D7624*	>20	7.1	6.3	7.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	18.5	20.7
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	4	2
Boron	ppm	ASTM D5185(m)	0	5	30	1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	57	49	58
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	941	790	984
Calcium	ppm	ASTM D5185(m)	1070	1089	1314	1014
Phosphorus	ppm	ASTM D5185(m)	1150	1043	1104	1050
Zinc	ppm	ASTM D5185(m)	1270	1178	1172	1204
Sulfur	ppm	ASTM D5185(m)	2060	2755	2770	2536
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.2	14.3	14.3
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	86.9	85.9	88.6
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	12.3	12.2	12.4
Viscosity Index (VI)	Scale	ASTM D2270*	139	136	136	135



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075756
Lab Number : 02616149
Unique Number : 5733259
Test Package : MOB 1 (Additional Tests: KV40, VI)

TRUCK AND EQUIPMENT SOLUTION
 2 BERTRAM INDUSTRIAL PKWY.
 MIDHURST, ON
 CA L9X 1L2
 Contact: Julie Holden
 parts@tesbarrie.com
 T: (705)792-7620
 F: (705)725-5425

*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.*