

		2020 Cat CVA Planned Maintenance Schedule - Motor Graders See Contract for applicable intervals.														
Sales Model		120	120	120 AWD (LVR)	120 AWD (JOY)	140-13	140-13 AWD	12M3 (140-15)	12M3 (140-15) AWD	140M3 (150)	140M3 (150)	140M3 (150) AWD	140M3 (150) AWD	160M3	160M3	160M3 AWD
Interval	Serial Number Prefix	Y9A	Y9C	Y9B	Y9D	N94	N95	N9F, N9R, ENF, EB2	N9P, N9B, ENH, EB3	N9D, N9M	ENJ, EB4	N9G, N9J	ENK, EB5	N9E, ENL, EB6	N9L	N9K, N9T, ENM, EB7
250 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
500 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Fuel Water Separator Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Fuel Secondary Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
750 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1,000 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Engine Air Primary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Air Secondary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Oil Filter Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Water Separator Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Secondary Element	X	X	X	X	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Transmission Oil Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hydraulic Oil Filter	-	X	-	X	-	-	-	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter Return	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydraulic Oil Filter All Wheel Drive	-	-	X	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)	
1,250 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1,500 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Fuel Water Separator Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Fuel Secondary Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
Crackcase Breather	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
1,750 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2,000 Hours	SOS Coolant Sample Level 2 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Engine Air Primary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Air Secondary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Oil Filter Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Water Separator Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Secondary Element	X	X	X	X	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Transmission Oil Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hydraulic Oil Filter	-	X	-	X	-	-	-	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter Return	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydraulic Oil Filter All Wheel Drive	-	-	X	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)	
2,250 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2,500 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Fuel Water Separator Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Fuel Secondary Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
2,750 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3,000 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Engine Air Primary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Air Secondary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Oil Filter Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Water Separator Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Secondary Element	X	X	X	X	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Transmission Oil Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hydraulic Oil Filter	-	X	-	X	-	-	-	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter Return	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydraulic Oil Filter All Wheel Drive	-	-	X	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)	
Crackcase Breather	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	
3,250 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3,500 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Fuel Water Separator Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Fuel Secondary Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
3,750 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	SOS Coolant Sample Level 2 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

4,000 Hours	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Engine Air Primary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Air Secondary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Oil Filter Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Water Separator Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Secondary Element	X	X	X	X	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Transmission Oil Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	Hydraulic Oil Filter	-	X	-	X	-	-	X	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter Return	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter All Wheel Drive	-	-	X	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)
4,250 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4,500 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Fuel Water Separator Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Fuel Secondary Element	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Crankcase Breather	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
4,750 Hours	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5,000 Hours	SOS Coolant Sample Level 1 bottle and analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fluids SOS - Number of bottles and analysis	7	7	5	5	7	7	7	7	7	7	7	7	7	7	7
	Engine Air Primary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Air Secondary Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Engine Oil Filter Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Water Separator Element	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Fuel Secondary Element	X	X	X	X	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)	X (x2 qty.)
	In-Line Fuel Filter	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-
	Transmission Oil Filter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
	Hydraulic Oil Filter	-	X	-	X	-	-	X	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter Return	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Hydraulic Oil Filter All Wheel Drive	-	-	X	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)

EXCLUSIONS

Ensure that all safety information, warnings, and instructions are read and understood before any operation or any maintenance procedures are performed. The user is responsible for the performance of maintenance, including all adjustments, the use of proper lubricants, fluids, filters, and the replacement of components due to normal wear and aging. Failure to adhere to proper maintenance intervals and procedures may result in diminished performance of the product and/or accelerated wear of components. Use mileage, fuel consumption, service hours, or calendar time, WHICH EVER OCCURS FIRST, to determine the maintenance intervals. Models in the above table with 1,000 hour oil drain intervals assumes the machine is operated in a Standard Service Application, utilizes Cat Recommended Fluids and maintains timely SOS sampling. Consult model and serial number specific OMM for alternate drain and maintenance options. The maintenance activities in the table above reflect commonly required activities. Machines may require more frequent maintenance and/or additional parts, depending on factors such as severe applications or extreme operating and environmental conditions. This chart is not intended to be a comprehensive list of all maintenance activities that may be recommended or required and may not contain fluids, maintenance schedules or additional requirements associated with the above maintenance activities. Refer to your CVA contract for specific terms associated with the agreement.

Some recommended maintenance activities excluded from CVA contracts are listed below.

- *

Valve gaskets excluded for valve lash checks.
- **

Coolant is recommended to be replaced every 2 years, unless extended by utilizing Extended Life Coolant (ELC) additive.
- ***

The maintenance manual recommends cleaning or replacing the DPF with a new or remanufactured DPF every 5000 hours
- ****

Seat Belts are recommended to be replaced every 3 years.
- *****

A/C Dryers are recommended to be replaced every 2000 hour interval.
- *****

Radiator caps are recommended to be replaced every 3000 hour interval.
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Fluids data for informational purposes only and are not provided in parts-only CVA's unless expressly stated in your contract.

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