

			2020 CAT Extend CVA and CAT Protect CVA Planned Maintenance Schedules - Motor Graders															
			See contract for number of applicable planned 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	Contract Type	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	
PM1 - every 250 & 750 Hours	Both	Fluids SOS - Number of bottles and analysis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PM 2 - 500, 1,500, 2,500, 3,500, 4,500, etc. Hours	CAT Extend CVA	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	-	-	-	-	-	-	-	-	-	-	-	-
	CAT Protect CVA	Dealer Labor Included (excludes Travel Time & Mileage)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PM 3 - 1,000, 3,000, 5,000, 7,000, 9,000 Hours	CAT Extend CVA	SOS Coolant Sample Level 1 bottle and analysis	X	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	7
		Engine Air Primary Element	X	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	X
		Engine Oil Filter Element	X	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	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.)	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	X
		Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
		Hydraulic Oil Filter	-	X	-	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	X
		Hydraulic Oil Filter All Wheel Drive	-	-	X	-	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)
	CAT Protect CVA adds fluids and labor	Fluids - CAT Diesel Engine Oil (in liters)	18	18	18	18	32	32	30	30	30	30	30	30	30	30	30	30
		Fluids - Transmission Oil - CAT TDTO (in liters)	60	60	60	60	74	74	74	74	74	74	74	74	74	74	74	74
		Fluids - Transmission Oil - CAT TDTO (in liters)	60	60	60	60	74	74	74	74	74	74	74	74	74	74	74	74
		Fluids - Wheel Spindle Oil - CAT TDTO (in liters)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Fluids - Circle Drive Oil - CAT Gear Oil (in liters)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Dealer Labor Included (excludes Travel Time & Mileage)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PM 4 - 2,000, 4,000, 6,000, 8,000, & 10,000 Hours	CAT Extend CVA	SOS Coolant Sample Level 2 bottle and analysis	X	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	7
		Engine Air Primary Element	X	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	X
		Engine Oil Filter Element	X	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	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.)	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	X
		Transmission Oil Filter - Magnetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
		Hydraulic Oil Filter	-	X	-	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	X
		Hydraulic Oil Filter All Wheel Drive	-	-	X	-	X	-	X	-	X (x2 qty.)	-	-	X (x2 qty.)	X (x2 qty.)	-	-	X (x2 qty.)
	CAT Protect CVA adds fluids and labor	Fluids - CAT Diesel Engine Oil (in liters)	18	18	18	18	32	32	30	30	30	30	30	30	30	30	30	30
		Fluids - Transmission Oil - CAT TDTO (in liters)	60	60	60	60	74	74	74	70	70	70	70	70	70	70	70	70
		Fluids - Tandem Drive Oil - CAT TDTO (in liters)	120	120	120	120	140	140	140	152	152	152	152	152	152	174	174	174
		Fluids - Wheel Spindle Oil - CAT TDTO (in liters)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Fluids - Hydrostatic Drive Oil - CAT TDTO (in liters)	-	-	-	-	-	-	14	-	14	-	-	14	14	-	-	14
	Fluids - Circle Drive Oil - CAT Gear Oil (in liters)		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Dealer Labor Included (excludes Travel Time & Mileage)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

CAT Extend CVA Contracts include parts kits only and do not contain CAT fluids or dealer supplied Labor.

CAT Protect CVA Contracts include parts kits, CAT fluids, Component Protection Plan, and dealer supplied labor.

Consult your CVA agreement for information on contract starting point and interval arrangement.

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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