821F
921F
Tier 2
Wheel Loader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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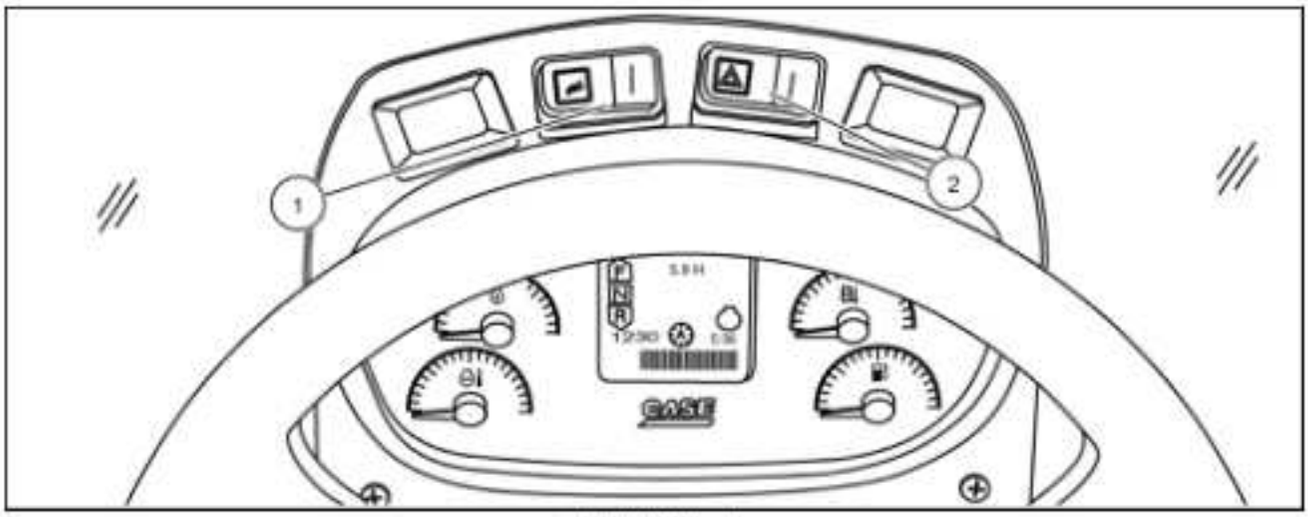
Every 50 hours

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FORWARD CONTROLS

Front console



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1. Pilot control switch



Push on the left hand side of the pilot control switch to disable the pilot controls, the pilot control lamp will illuminate when the hydraulic control levers are disabled. The loader linkage will stay in position when the pilot controls are disabled. Push on the right hand side of the switch to actuate the pilot controls. The hydraulic control levers will now function.

2. Four-way flasher



Push the left hand side of the flasher switch to actuate the flashers. Push the right hand side of the flasher switch for the OFF position.

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Fluids and lubricants

821F Capacities and specifications

Engine		
	Type of oil	CASE AKCELA ENGINE OIL 15W-40
	Capacity (with filter change)	13.25 l (14.0 US qt)
	Total capacity in system	15.1 l (16 US qt)
Cooling system		
	System capacity	30.0 l (32.0 US qt)
Fuel system		
	System capacity	288.0 l (76.0 US gal)
Hydraulic system		
	Type of fluid	CASE AKCELA HY-TRAN® ULTRA™ HYDRAULIC TRANSMISSION OIL
	Total system capacity	178.0 l (47.0 US gal)
	Reservoir capacity	90.8 l (24.0 US gal)
Transmission		
	Type of oil	CASE AKCELA NEXPLORE™ FLUID
	Service capacity - with filter change	34.1 l (36.0 US qt)
Axles		
	Type of oil	CASE AKCELA NEXPLORE™ FLUID
	Front axle	40.0 l (42.3 US qt)
	Rear axle	40.0 l (42.3 US qt)
Grease fittings, as required		CASE AKCELA MOLY GREASE

Fluids and lubricants

921F Capacities and specifications

Engine		
	Type of oil	CASE AKCELA ENGINE OIL 15W-40
	Capacity (with filter change)	13.25 l (14.0 US qt)
	Total capacity in system	15.1 l (16.0 US qt)
Cooling system		
	System capacity	30.0 l (32.0 US qt)
Fuel system		
	System capacity	288.0 l (76.0 US gal)
Hydraulic system		
	Type of fluid	CASE AKCELA HY-TRAN® ULTRA™ HYDRAULIC TRANSMISSION OIL
	Total system capacity	200.0 l (53.0 US gal)
	Reservoir capacity	110.0 l (29.0 US gal)
Transmission		
	Type of oil	CASE AKCELA NEXPLORE™ FLUID
	Service capacity - with filter change	34.1 l (36.0 US qt)
Axles		
	Type of oil	CASE AKCELA NEXPLORE™ FLUID
	Front axle	42.0 l (44.4 US qt)
	Rear axle	40.0 l (42.3 US qt)
Grease fittings, as required		CASE AKCELA MOLY GREASE

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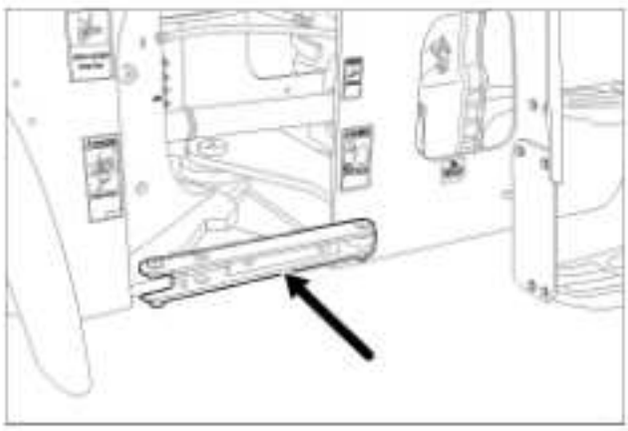
Change engine oil and filter (Initial)

Change the engine oil and filter when the hour meter registers 100 hours for a new machine during the initial run-in period. The engine oil and filter should be changed every 500 hours thereafter or more frequently when the engine operating conditions are severe.

Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

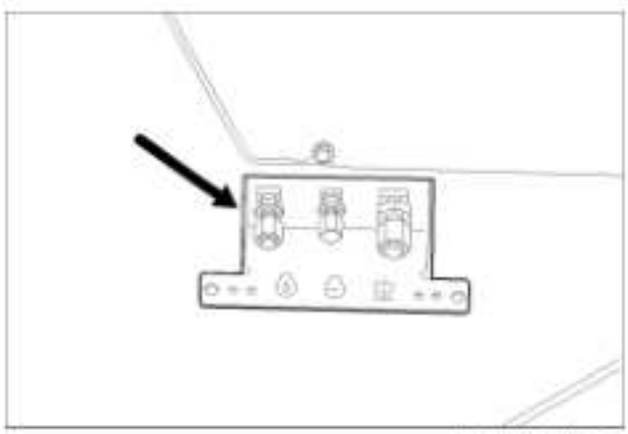
Service specifications	
Type of oil	**CASE AKCELA ENGINE OIL 15W-40**
821F Capacity (with filter change)	**13.25 l (14.0 US qt)**
921F Capacity (with filter change)	**13.25 l (14.0 US qt)**

1. Lower bucket/attachment to the ground and install the transport/service link into the lock position.



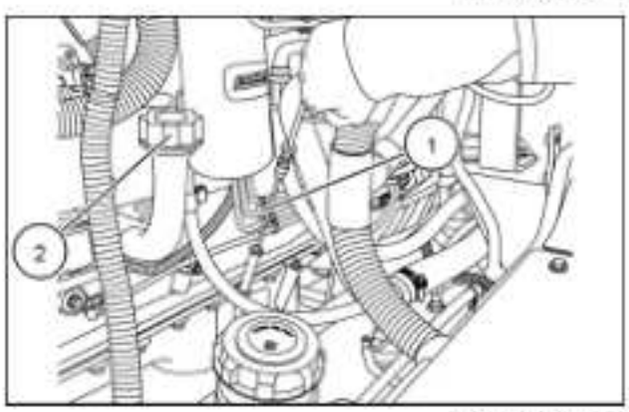
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2. Attach the drain hose to the remote drain plug. Use a suitable container to collect the used oil, and drain the engine completely.



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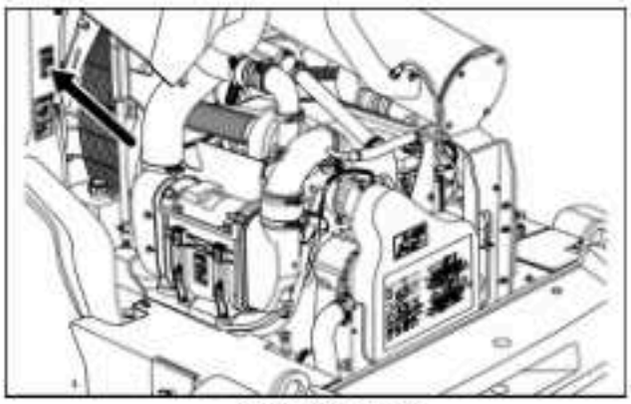
3. Raise the engine hood. Oil will drain faster if the oil is warm (not hot) and the dipstick (1) is removed.



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WARNING — Entanglement Hazard



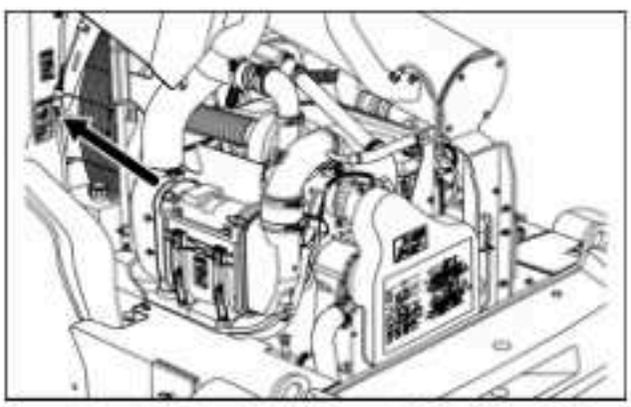
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This WARNING safety sign is located on the machine left and right sides near fan shroud.
WARNING — Entanglement Hazard. Keep clear or stop engine before servicing. Failure to comply with this warning could result in death or serious injury.
ISO decal number: 87488609



87488609 32

WARNING — Explosion Hazard



RCPH10WN1A0SAAH 33

This WARNING safety sign is located on the machine left and right sides near fan.
WARNING — Explosion Hazard. Do not use ether. Failure to comply with this warning could result in death or serious injury.
ISO decal number: 8603095



8603095 34

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