821F
921F
Tier 4
Wheel Loader

OPERATOR'S MANUAL

Part number 84548506
2nd edition English
February 2012
Replaces part number 84324413

CASE CONSTRUCTION

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LEFT-HAND SIDE CONTROLS

Transmission controls

Transmission control lever

The transmission control lever is used to shift the transmission gears from first through fourth gear. Turn the transmission control lever away from you to select a higher gear. Turn the lever toward you to select a lower gear. This control lever is also used to put the transmission in FORWARD, NEUTRAL, and REVERSE (F-N-R).

A. Move the control lever away from you for FORWARD.

B. The center position of the control lever is NEUTRAL.

C. Move the control lever toward you for REVERSE.



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Using the steering column transmission lever

All the following steps are required in order to use the steering column transmission lever:

1. Service brake pressure must be at operating pressure.
2. Transmission control lever must be in neutral.
3. Push down on the bottom of the parking brake switch to release the parking brake switch.

NOTE: *If the parking brake was NOT set when the machine was turned OFF, the parking brake switch must be cycled at step 3.*

4. Place the transmission control lever in either FORWARD or REVERSE to move the machine.

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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)
Diesel Exhaust Fluid (DEF)		41.3 l (43.6 US qt)
Grease fittings, as required		CASE AKCELA MOLY GREASE

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Every 500 hours

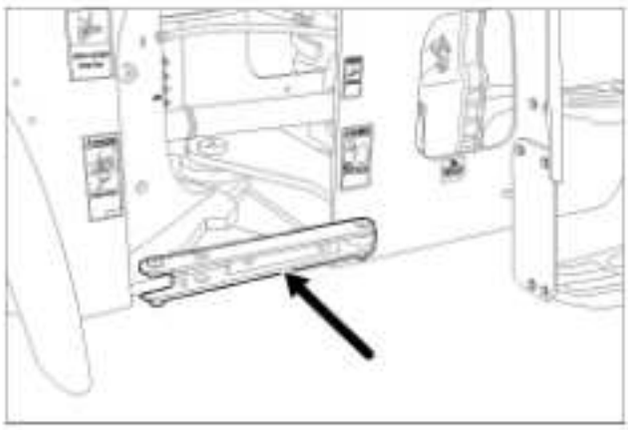
Engine oil and filter

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.

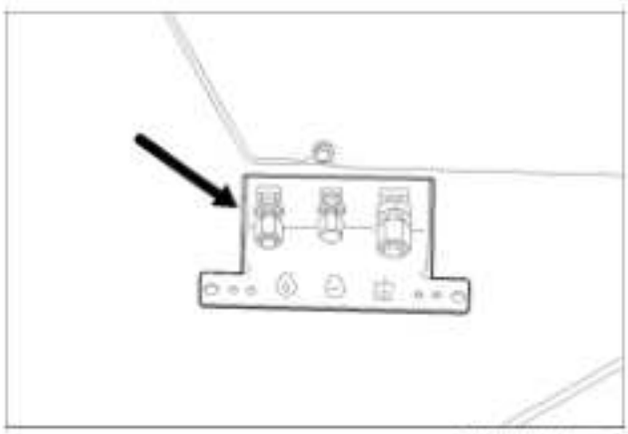
Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

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)**

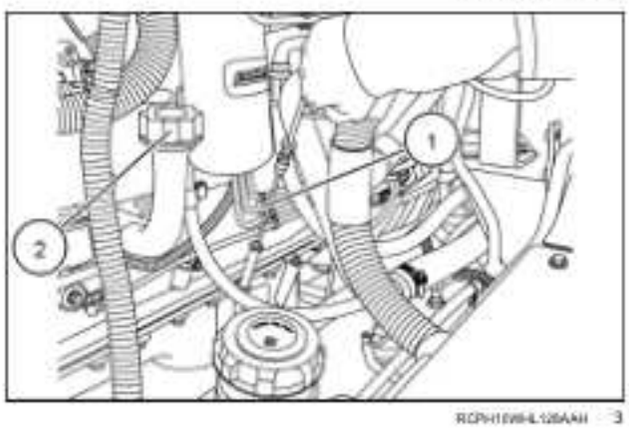
1. Lower bucket/attachment to the ground and install the transport/service link into the lock position.



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



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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