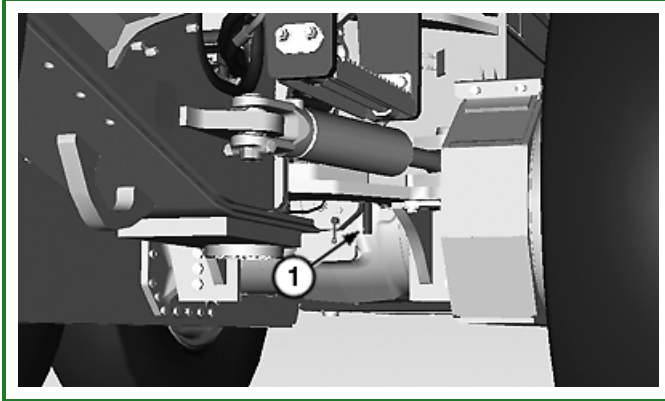
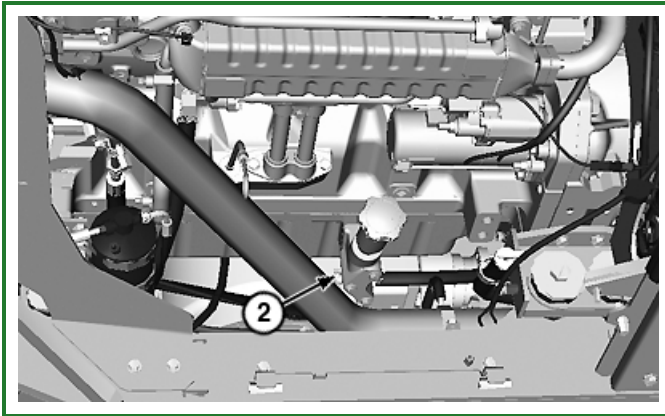


## Drain and Refill Engine Oil and Replace Filter

1.



TX1139612A-UN: Engine Oil Drain Hose



TX1140611A-UN: Drain Valve

**LEGEND:**

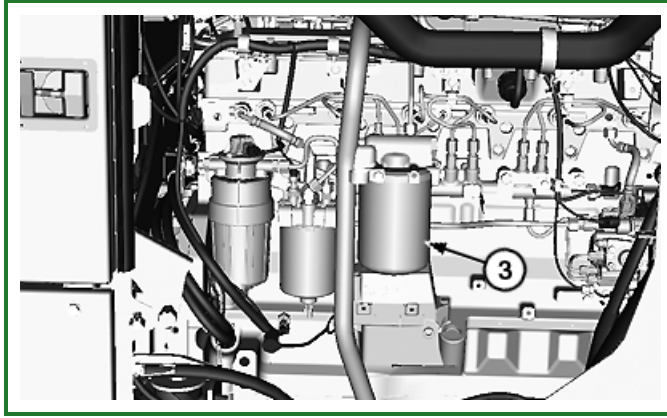
1 - Drain Hose

2 - Drain Valve

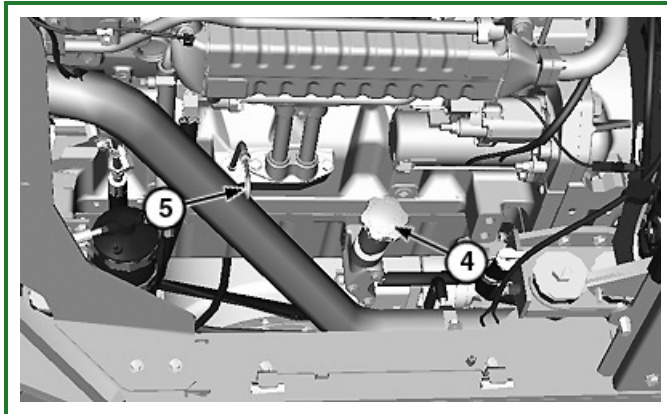
Run engine to warm oil. Stop the engine.

2. Place suitable container under engine oil drain hose (1).
3. Open left engine maintenance door and drop down panel.
4. Open drain valve (2) on oil pan. Allow oil to drain into container. Dispose of waste oil properly.
5. Open right engine maintenance door and drop down panel.

6.



**TX1140612A-UN: Engine Oil Filter**



**TX1140623A-UN: Fill Cap and Dipstick**

**LEGEND:**

- 3 - Engine Oil Filter
- 4 - Engine Oil Fill Cap
- 5 - Dipstick

Turn engine oil filter (3) counterclockwise to remove.

7. Clean mounting surface. Apply thin film of oil to gasket of new engine oil filter
8. Install new engine oil filter. Turn filter clockwise by hand until gasket touches mounting surface.
9. Turn the filter 1/2—3/4 turn more.
10. Close drain valve.
11. Remove engine oil fill cap (4) and fill with oil. For recommended oil, see Maintenance—Machine. (Section 3-1.)
12. Install fill cap.

Item	Measurement	Specification
Engine Oil Capacity	27.0 L	7.1 gal.

13. Start engine and run at slow idle.

**IMPORTANT:**

Engine oil pressure indicator must come on immediately when engine is started. If oil pressure light does not go off, shut down machine immediately and find cause for low oil pressure.