

# Engine Comparison Information

CUMMINS ISM

VS

CUMMINS ISL



# Comments

The following is detailed information on comparing the Cummins model ISM Heavy Duty Truck Engine to the Cummins model ISL Medium Duty Truck Engine.

All information was gathered from the official Cummins Manufactures Web site and is subject to change without notice.

# Cummins Engine Comparison

## CUMMINS ISM

- **Advertised Horsepower** 280-425 hp
- **Peak Torque** 1150-1550 lb-ft
- **Governed Speed** 2100 rpm
- **Clutch Engagement Torque** 700 lb-ft
- **Number of Cylinders** 6
- **Oil System Capacity** 10.2 U.S. gallons
- **System Weight** 2,268 lb
- **Engine (Dry)** 2,206 lb
- **Aftertreatment\*** 62 lb

## CUMMINS ISL

- **Advertised Horsepower** 345-365 bhp
- **Peak Torque** 1150-1250 lb-ft
- **Governed Speed** 2100 rpm
- **Clutch Engagement Torque** 550 lb-ft
- **Number of Cylinders** 6
- **Oil System Capacity** 7.3 U.S. gallons
- **System Weight** 1,685 lb
- **Engine (Dry)** 1,635 lb
- **Aftertreatment\*** 50 lb

# Vocational Ratings Comparison

## ISM VOCATIONAL RATINGS

- ISM 425V 425 HP / Torque 1550 @ 1200
- ISM 385V 385 HP / Torque 1450 @ 1200
- ISM 385V 385 HP / Torque 1350 @ 1200
- ISM 350V 350 HP / Torque 1450 @ 1200
- ISM 350V 350 HP / Torque 1350 @ 1200
- ISM 320V 320 HP / Torque 1150 @ 1200

## ISL RATINGS

- ISL 365 365 HP / Torque 1250 @ 1400
- ISL 345 345 HP / Torque 1150 @ 1300

# Warranty Comparison

## CUMMINS ISM

- 2-year/250,000-mile (402,336 km) Total Coverage
- Full parts and labor on warrantable failures due to defects in material or workmanship
- Travel or towing when engine is disabled by a warrantable failure or further operation would cause damage
- Consumables not reusable due to covered failure
- Injectors covered for 2 years or 125,000 miles (201,168 km), whichever occurs first
- Cooled EGR subsystem components and Variable Geometry Turbocharger
- 5-year/500,000-mile (804,672 km) Major Component Coverage
- 100% registered parts
- 100% labor
- Progressive engine damage
- All consumables not reusable due to covered failure
- No deductible
- All major castings and forgings

## CUMMINS ISL

- Cummins base engine coverage is 2 years/250,000 miles (402,336 km), whichever occurs first. It covers virtually everything:
- Full parts and labor on warrantable failures\*
- Travel or towing when an engine is disabled by a warrantable failure or further operation would cause damage (from date of delivery through the first year)
- Consumables not reusable due to covered failure
- No deductible

# Service Intervals Comparisons

## CUMMINS ISM

- ISM Maintenance Intervals.
- OIL AND FILTER 35,000 MI
- FUEL FILTER 15,000 MI
- COOLANT FILTER† 50,000 MI
- VALVE ADJUSTMENT 120,000 MI
- COALESCING FILTER 150,000 MI
- PARTICULATE FILTER 200,000-400,000 MI CLEANING
- Recommended oil and oil filter change intervals for vocational applications are 15,000 miles or 400 hours or six months.

## CUMMINS ISL

- ISL Maintenance Intervals.
- OIL & FILTER 20,000
- PRIMARY FUEL FILTER 20,000
- SECONDARY FUEL FILTER 40,000
- COOLANT FILTER - None
- OVERHEAD ADJUSTMENT 150,000
- COOLANT CHANGE 240,000
- COALESCING FILTER 80,000 MI
- PARTICULATE FILTER 200,000 – 400,000 MI CLEANING
- Cummins ISL is fully compatible with long-life coolant/antifreeze formulas which allow changes out to 600,000 miles or 6 years.
- Follow maintenance guidelines recommended by the manufacturer for safe use with extended service intervals.
- See Owner's Manual for complete details.