

OPTI-LUBE™

Optimum Lubrication System



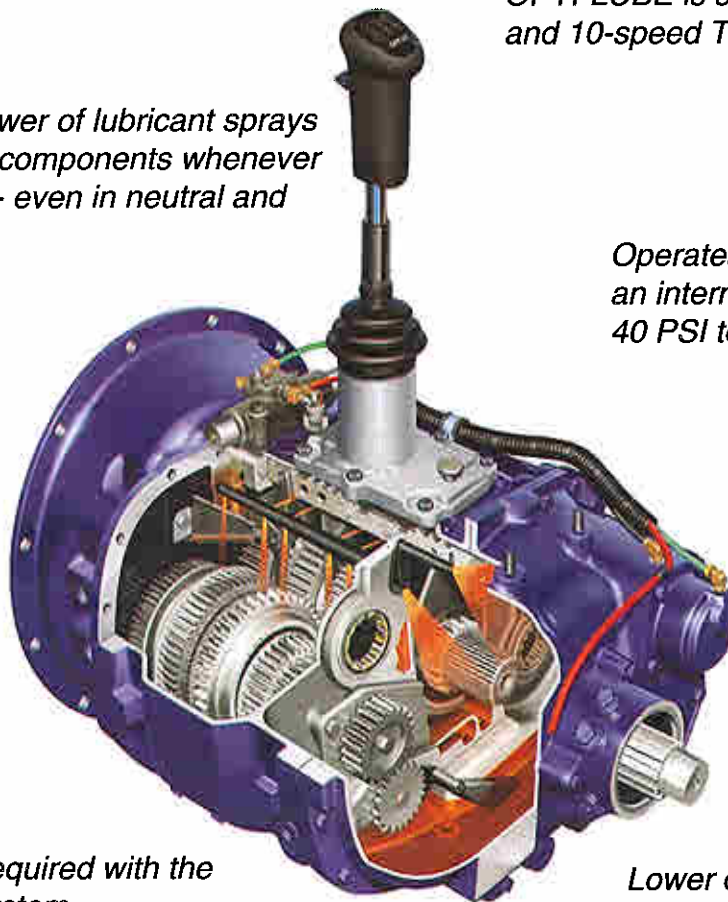
All TTC nine and ten-speed transmissions may be specified without an oil cooler, thanks to TTC's revolutionary, patented OPTI-LUBE system. With OPTI-LUBE, an internal oil pump and a simple oil delivery system are used to spray lubricant continuously and directly onto all critical gear sets and bearings. Features and benefits include:

- No oil cooler required
- No external oil pump required
- Cooler running, longer lasting system runs up to 50° F cooler
- Reduced lubricant requirement - uses 9 pints less oil reducing cost and weight
- Longer component life, better mileage, and greater transmission efficiency

OPTI-LUBE is standard on all 9 and 10-speed TTC transmissions.

A steady shower of lubricant sprays on all critical components whenever engine is on - even in neutral and reverse.

Operates between 3-5 PSI with an internal check valve set at 40 PSI to provide a bypass.



No oil cooler required with the OPTI-LUBE system.

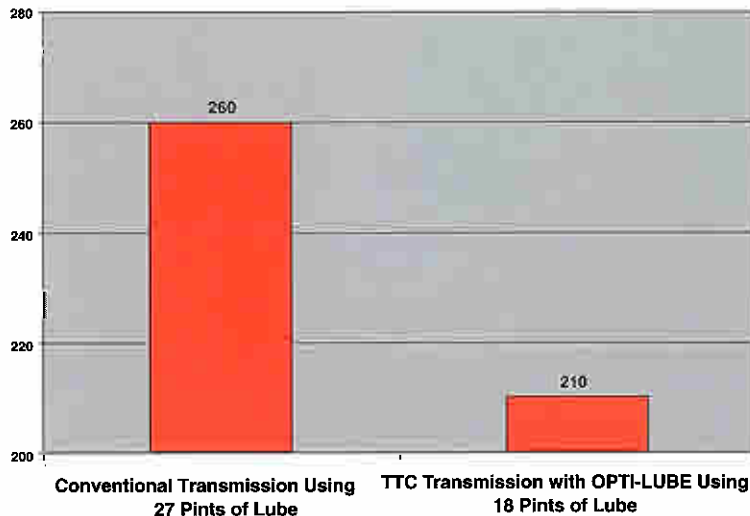
Lower oil sump level minimizes churn losses due to gear drag in heavy oil.

OPTI-LUBE™ Optimum Lubrication System

GENERAL SPECIFICATIONS

Availability	Standard on all Pro-Shift 9 and 10-speed transmissions
Lube Type	Mineral or Synthetic oil SAE 50 H.D.
Lube Capacity	18 Pints

PSO140-9A FIELD TEST RESULTS



Better lubrication of critical areas with the OPTI-LUBE system means the transmission operates up to 50° F cooler without an external oil cooler.

LUBRICATION FLOW PERFORMANCE DATA

Engine	Standard External Oil Pump						OPTI-LUBE
	Neutral	1st	2nd & 6th	3rd & 7th	4th & 8th	5th & 9th	All Gears and Neutral
500	0	0.41	0.64	0.89	1.21	1.62	2.00
1000	0	0.82	1.29	1.78	2.41	3.23	3.50
1500	0	1.24	1.93	2.67	3.61	4.85	5.50
2000	0	1.65	2.57	3.56	4.82	6.47	7.50



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