

# Normal Operating Temperatures and Pressures for the Lubricating Oil System



# GE Transportation

The table displays the normal expected operating temperatures and pressures for oil flowing in and out of the engine.

Notch	EngineRPM	NormalRange		NormalRange	
		ELIT (°F)	ELOT (°F)	ELIP(psig)	ELPP (psig)
Idle	440	163 to 185	165 to 198	26 to 39	27 to 53
Notch 8	1050	163 to 185	182 to 199	81 to 111	94 to 141
NOTE: The stated range values are valid for the following conditions: ELOT ≥ 140°F, BAP is 14.7 to 14.1 (equivalent altitude 0 to 1000 feet) and ambient temperature is •19°F to 105°F.					

Notch	EngineRPM	COP(inches of H <sub>2</sub> O)
Idle	440	-0.4 to 0.5
Notch 8	1050	-10 to -4
NOTE: The stated range values are valid for the following conditions: ELOT ≥ 140°F, BAP is 14.7 to 14.1 (equivalent altitude 0 to 1000 feet), and ambient temperature is -19°F to 105°F.		



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The table provides normal and condemning pressure drops across the oil cooler and oil filter.

Notch	EngineRPM	$\Delta P$ Oil Cooler (psig)		$\Delta P$ Oil Filter (psig)	
		Normal Range	Condemning Limit	Normal Range	Condemning Limit
Notch 8	1050	163 to 185	182 to 199	81 to 111	94 to 141
Notes: 1. $\Delta P$ Oil Cooler = reading from ELPP Sensor - reading from Test Port on Oil Filter Tank. 2. $\Delta P$ Oil Filter = reading from Test Port on Oil Filter Tank - reading from Test Port on Engine Oil Inlet Pipe.					

