

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	Engine RPM	Normal Range		Normal Range	
		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	Engine RPM	COP (inches of H ₂ 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.		



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

Notch	Engine RPM	ΔP Oil Cooler (psig)		ΔP 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. ΔP Oil Cooler = reading from ELPP Sensor - reading from Test Port on Oil Filter Tank. 2. ΔP Oil Filter = reading from Test Port on Oil Filter Tank - reading from Test Port on Engine Oil Inlet Pipe.					

