

# GF-5 / All of SAE J300

## Fresh Oil Viscosity Requirements

SPECIFICATIONS	PROCEDURE PARAMETERS
These fresh oil viscosity requirements are proposed for GF-5 Performance Category.	After preliminary warming, the oil sample is subjected to a controlled temperature/time cycle for 5-1/2 to 7 days. Oil exhibiting pour reversion are essentially "solid", resulting from wax gel formation at temperatures significantly above their ASTM D97 pour points
OBJECTIVE	CRITICAL PARTS EVALUATED
This specified set of limits is used by engine manufacturers to determine the engine oil viscosity grades to be used in their engines and by oil marketers to formulate, manufacture, and label products. Only products that are within the relevant specifications may be distributed.	N/A
FIELD SERVICE SIMULATED	USED OIL ANALYSIS
This procedure was originally established to reproduce pour instability or reversion that occurred during storage of oils in moderately cold cyclic ambient conditions.	N/A
PROCEDURE FIXTURE	PASS / FAIL CRITERIA
N/A	Oils shall meet all of the requirements of SAE J300. Viscosity grades are limited to SAE 0W, 5W, and 10W multigrade oils. No restriction except as defined by requirement of the shear stability and high-temperature/high-shear rate tests. Manufacturers may indicate specific viscosity requirements related to ambient temperatures.



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