

CEC L-107 M271EVO Sludge Test

Test Procedure Information

Test Procedure:	Issue:
Procedure Issue Date:	Data Dictionary Version:

FORMULATION STAND CODE:

Test Sponsor:

Test Number:	Test Stand:
Test Length:	SAE Viscosity:
DATE STARTED:	TIME STARTED:
OIL CODE:	Date Completed:

+

VALIDITY STATEMENTS & TEST INFORMATION

Statement	Yes	No
Is Letter of Intent with ERC?		
Was the test properly registered?		
Was the test stand referenced in accordance with the C.O.P.?		
Was the test stand referenced in accordance with the C.O.P.? (Ref. tests)		
Is the outcome declared to be in accordance with the C.O.P?		
Valid and Completed, VCC.		
Is the outcome declared to be within acceptance bands?		
Valid and stopped by sponsor, VSC.		
Valid and Terminated, VTC. (comment required)		
Invalid and Completed, IC. (comment required)		
Invalid and Aborted, IA. (comment required)		

Validity Comments

Primary Comments	
Test Validated By:	Date:

Fuel Information	Fuel Code:	Fuel Batch:
Fuel Supplier:	Engine P/N:	

Reference Test Information

Reference Oil 1 Test	Reference Oil 2 Test
Oil:	Oil:
Form:	Form:
Test Number:	Test Number:
Average Engine Sludge:	Average Engine Sludge:

CEC L-107 M271EVO Sludge Test

FORMULATION STAND CODE:
OIL CODE:

Primary Test Results

Parameter, units	Value
Average Engine Sludge, Merit	

Secondary and Supporting Test Results

Parameter, units	Value
Sludge, Merit	
Valve Cover Sludge	
Cylinder Head Front Cover Sludge	
Cylinder Head Sludge, Merit	
Oil Pan (without sump) Sludge – not used in Average calculation	
Oil Pan (with sump) Sludge	
Timing Case Sludge	
Ring Sticking	
Max Ring Sticking, ASF Max	
Location	Piston 1 Piston 2 Piston 3 Piston 4
1 st Ring	
2 nd Ring	
OC Ring	

CEC L-107 M271EVO

Sludge Test

FORMULATION STAND CODE:
OIL CODE:

Oil Consumption		
Phase 1 (75 hr.) Oil Consumption, g/h		
Phase 2 (at EOT) Oil Consumption, g/h		
Blowby and Phase Fuel Consumption		
	Blowby	Fuel Consumption
Phase 1, 3200		
Phase 2, 3200		
Phase 2, 5500		

CEC L-107 M271EVO

Sludge Test

FORMULATION STAND CODE:
OIL CODE:

Oil Analysis					
	Viscosity at 40° C	Viscosity at 100° C	Fuel Dilution, %	Oxidation, A/cm	Nitration, A/cm
SOT					
75-h					
EOT					
Metals, ppm					
	75-h		EOT		
AL					
CA					
CR					
CU					
FE					
MO					
NI					
P					
PB					
S					
SI					
SN					
Total Test Fuel Consumption, g					