

**General Motors Engine Oil Aeration Test**

**For dexos®**

**Form 1**

Version

Conducted For

	V = Valid
	I = Invalid
	N = Results cannot be interpreted as representative of oil performance (Non-reference oil) and shall not be used for multiple test acceptance

Test Number							
Stand		Engine		Engine Runs		Lab Runs	
Test Number							
Oil Code							
Formulation/Stand Code							
SAE Viscosity Grade				Reference Oil Code: <sup>A</sup>			
Alternate Codes							
Date Started				Time Started			
Date Completed				Time Completed			
Test Length				Total Downtime			

*A: Reference Oil tests only*

<p>In my opinion this test _____ been conducted in a valid manner in accordance with test procedure GMAER and appropriate amendments. The remarks included in the report describe the anomalies associated with this test.</p>
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Submitted By: \_\_\_\_\_

Testing Laboratory

Signature

Typed Name

Title

**General Motors dexos® Engine Oil Aeration Test**  
**Form 2**  
**Table of Contents**

1.	Title / Validity Declaration Page	Form 1
2.	Table of Contents	Form 2
3.	Test Summary	Form 3
4.	Operational Summary – Test Oil	Form 4
5.	Oil Analysis – Test Oil	Form 5
6.	Aeration Plot – Test Oil	Form 6
7.	Downtime Summary – Test Oil	Form 7
8.	Test Comments – Test Oil	Form 8
9.	Operational Summary – Baseline Oil	Form 9
10.	Aeration Plot – Baseline Oil	Form 10
11.	Downtime Summary – Baseline Oil	Form 11
12.	Test Comments – Baseline Oil	Form 12

**General Motors dexos® Engine Oil Aeration Test  
Form 3**

**Test Summary**

Test Number	
Formulation Stand Code	

Test Info			
Engine Number		Engine Hours @ SOT	
Engine Run #		Labs Runs	
Oil Weight SOT (g)		Fuel Batch ID	
Oil Weight EOT (g)			
Total Oil Consumption (g)			

Test Results: Extracted Aeration Readings from Aeration vs. Time Curve at 100 kPaA	
	Test Oil Result
28-29 Hour Average Aeration (%)	
	Other Information
0.5 - 1 Hour Average Aeration (%)	
4-5 Hour Average Aeration (%)	
19-20 Hour Average Aeration (%)	
Maximum Micromotion Aeration (%)	
Oil Density at 160 kPaA by Micromotion, g/mL	

Post Test Pressure Sweep	
Pressure, kPaA	Average Aeration % (last 5 minutes)
84	
140	
160	

Baseline Oil Test Information			
Baseline Oil Code		Test Length	
Date Started		Time Started	
Date Completed		Time Completed	
Baseline Oil Test Results for Specification Assessment: Aeration vs. Time Curve at 100 kPaA			
		Baseline Oil Result	
28-29 Hour Average Aeration (%)			
		Other Information	
0.5 – 1 Hour Average Aeration (%)			
4-5 Hour Average Aeration (%)			
19-20 Hour Average Aeration (%)			
Maximum Micromotion Aeration (%)			
Oil Density at 160 kPaA by Micromotion, g/mL			



**General Motors dexos® Engine Oil Aeration Test  
Form 5**

**Oil Analysis – Test Oil**

Test Number	
Formulation Stand Code	

<b>ICP (ppm)</b>		
<b>Element</b>	<b>New</b>	<b>30 Hrs</b>
Aluminum (Al)		
Copper (Cu)		
Iron (Fe)		
Silicon (Si)		

	<b>New</b>	<b>30 Hrs</b>
Viscosity at 100 °C (cSt)		

**General Motors dexos® Engine Oil Aeration Test  
Form 6**

**Aeration Plot – Test Oil**

Test Number	
Formulation Stand Code	

**General Motors dexos® Engine Oil Aeration Test  
Form 7**

**Downtime Summary – Test Oil**

Test Number	
Formulation Stand Code	

Number of Downtime Occurrences			
Test Hours	Date	Downtime	Reasons
			<b>Total Downtime (hours)</b>

**General Motors dexos® Engine Oil Aeration Test  
Form 8**

**Test Comments – Test Oil**

Test Number	
Formulation Stand Code	

Number of Comment Lines	





**General Motors dexos® Engine Oil Aeration Test  
Form 10**

**Aeration Plot – Baseline Oil**

Baseline Oil Test Number	
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**General Motors dexos® Engine Oil Aeration Test  
Form 11**

**Downtime Summary – Baseline Oil**

Baseline Oil Test Number

Number of Downtime Occurrences			
Test Hours	Date	Downtime	Reasons
			<b>Total Downtime (hours)</b>

