

**A2. Report Forms**  
**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil**

**Version**  
**Conducted For**

	<b>V = Valid</b>
	<b>I = Invalid</b>
	<b>N = Results cannot be interpreted as representative of oil performance. (Non-Reference Oil)</b>

<b>Test Number</b>			
<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>	
<b>End of Test Date:</b>		<b>End of Test Time:</b>	
<b>Oil Code <sup>A</sup>:</b>			
<b>Formulation/Stand Code:</b>			
<b>Alternate Codes:</b>			

**In my opinion this test    been conducted in a valid manner in accordance with the Test Method D5968 and the appropriate amendments through the information letter system. The remarks included in the report describe the anomalies associated with this test.**

<sup>A</sup> CMIR or Non-Reference Oil Code

\_\_\_\_\_  
**Testing Laboratory**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Typed Name**

\_\_\_\_\_  
**Title**

**Fig. A2.1 Final Report Cover Sheet**

**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil  
Summary of Results**

<b>Lab:</b>	<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>
<b>EOT Date:</b>		<b>EOT Time:</b>	
<b>Oil Code:</b>			<b>Start Date:</b>
<b>Formulation/Stand Code:</b>			
<b>Test Length:</b>			

<b>Test Oil Identification</b>	
<b>Reference Oil Test</b>	<b>Non-Reference Oil Test</b>
<b>CMIR Code :</b>	<b>Oil Code:</b>
<b>TMC Oil No.:</b>	<b>Formulation/Stand Code:</b>
<b>SAE Viscosity:</b>	<b>SAE Viscosity:</b>
<b>Lab Oil Code:</b>	<b>Lab Oil Code:</b>

<b>Change in Metal Concentration (ppm)</b>										
	<b>Reference Oil Test</b>					<b>Non-Reference Oil Test</b>				
	<b>Average</b>					<b>Average</b>				
<b>Metal Type</b>	<b>New Oil (ppm)</b>	<b>Used Oil (ppm)</b>	<b>Δ (ppm)</b>	<b>Correction Factor</b>	<b>Corrected Average</b>	<b>New Oil (ppm)</b>	<b>Used Oil (ppm)</b>	<b>Δ (ppm)</b>	<b>Correction Factor</b>	<b>Corrected Average</b>
<b>Copper</b>										
<b>Lead</b>										
<b>Tin</b>										

<b>ASTM D-130 Copper Strip Rating</b>	
<b>Reference Oil Test</b>	<b>Non-Reference Oil Test</b>

<b>Metal Type</b>	<b>Reference Oil Test Specimen</b>		<b>Non-Reference Oil Test Specimen Batch I.D. Number</b>
	<b>Batch ID Number</b>	<b>Batch Code</b>	
<b>Copper (Cu)</b>			
<b>Lead (Pb)</b>			
<b>Tin (Sn)</b>			
<b>Bronze</b>			

**Fig. A2.2 Summary of Results**

**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil  
Detailed Test Results**

<b>Lab:</b>	<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>
<b>EOT Date:</b>		<b>EOT Time:</b>	
<b>Oil Code:</b>			<b>Start Date:</b>
<b>Formulation/Stand Code:</b>			

<b>Metal Concentration: New Oil</b>						
<b>Metal Type</b>	<b>Reference Oil Test</b>			<b>Non-Reference Oil Test</b>		
	<b>Run 1 (ppm)</b>	<b>Run 2 (ppm)</b>	<b>Average (ppm)</b>	<b>Run 1 (ppm)</b>	<b>Run 2 (ppm)</b>	<b>Average (ppm)</b>
<b>Copper (Cu)</b>						
<b>Lead (Pb)</b>						
<b>Tin (Sn)</b>						
<b>Internal Std.</b>						

<b>Metal Concentration: New Oil</b>						
<b>Metal Type</b>	<b>Reference Oil Test</b>			<b>Non-Reference Oil Test</b>		
	<b>Run 1 (ppm)</b>	<b>Run 2 (ppm)</b>	<b>Average (ppm)</b>	<b>Run 1 (ppm)</b>	<b>Run 2 (ppm)</b>	<b>Average (ppm)</b>
<b>Copper (Cu)</b>						
<b>Lead (Pb)</b>						
<b>Tin (Sn)</b>						
<b>Internal Std.</b>						

<b>Weight Change of Metal Specimens: <sup>A</sup></b>		
<b>Metal Type</b>	<b>Reference Oil Test</b>	<b>Non-Reference Oil Test</b>
	<b>Weight Change (mg/cm<sup>2</sup>)</b>	<b>Weight Change (mg/cm<sup>2</sup>)</b>
<b>Copper (Cu)</b>		
<b>Lead (Pb)</b>		
<b>Tin (Sn)</b>		
<b>Internal Std.</b>		

<sup>A</sup> (+ for weight increase, - for weight loss)

**Fig. A2.3 Detailed Test Results**

**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil  
Comments**

<b>Lab:</b>	<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>
<b>EOT Date:</b>		<b>EOT Time:</b>	
<b>Oil Code:</b>			<b>Start Date:</b>
<b>Formulation/Stand Code:</b>			

<b>Number of Comment Lines</b>		

**Fig. A2.4 Comments**

**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil at 121°C  
Comments**

<b>Lab:</b>	<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>
<b>EOT Date:</b>		<b>EOT Time:</b>	
<b>Oil Code:</b>			<b>Start Date:</b>
<b>Formulation/Stand Code:</b>			

<b>Number of Comment Lines</b>	

**Fig. A2.4A Comments**

**D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil at 121°C**  
**Comments**

<b>Lab:</b>	<b>Bath:</b>	<b>Bath Run:</b>	<b>Bath Position:</b>
<b>EOT Date:</b>		<b>EOT Time:</b>	
<b>Oil Code:</b>			<b>Start Date:</b>
<b>Formulation/Stand Code:</b>			

<b>Number of Comment Lines</b>		

**Fig. A2.4B Comments**