

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

Version
Conducted For

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

Test Number			
Bath:	Bath Run:	Bath Position:	
End of Test Date:		End of Test Time:	
Oil Code ^A:			
Formulation/Stand Code:			
Alternate Codes:			

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.	

^A 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**

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

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

Change in Metal Concentration (mg/kg)										
	Reference Oil Test					Non-Reference Oil Test				
	Average					Average				
Metal Type	New Oil (mg/kg)^A	Used Oil (mg/kg)^A	Δ (mg/kg)^A	Correction Factor	Corrected Average^A	New Oil (mg/kg)^A	Used Oil (mg/kg)^A	Δ (mg/kg)^A	Correction Factor	Corrected Average^A
Copper										
Lead										
Tin										

^A Report test results in whole numbers only for all tests completed on or after October 19, 2019. Do not use less than (“<”) symbol.

ASTM D-130 Copper Strip Rating	
Reference Oil Test	Non-Reference Oil Test

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

Fig. A2.2 Summary of Results

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

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

Metal Concentration: New Oil						
Metal Type	Reference Oil Test			Non-Reference Oil Test		
	Run 1 (mg/kg)^A	Run 2 (mg/kg)^A	Average (mg/kg)^A	Run 1 (mg/kg)^A	Run 2 (mg/kg)^A	Average (mg/kg)^A
Copper (Cu)						
Lead (Pb)						
Tin (Sn)						
Internal Std.						

Metal Concentration: Used Oil						
Metal Type	Reference Oil Test			Non-Reference Oil Test		
	Run 1 (mg/kg)^A	Run 2 (mg/kg)^A	Average (mg/kg)^A	Run 1 (mg/kg)^A	Run 2 (mg/kg)^A	Average (mg/kg)^A
Copper (Cu)						
Lead (Pb)						
Tin (Sn)						
Internal Std.						

^A Report test results in whole numbers only for all tests completed on or after October 19, 2019. Do not use less than (“<”) symbol.

Weight Change of Metal Specimens: ^A		
Metal Type	Reference Oil Test	Non-Reference Oil Test
	Weight Change (mg/cm²)	Weight Change (mg/cm²)
Copper (Cu)		
Lead (Pb)		
Tin (Sn)		
Internal Std.		

^A (+ for weight increase, - for weight loss)

Fig. A2.3 Detailed Test Results

D 5968 Evaluation of the Corrosiveness of Diesel Engine Oil Comments

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

Number of Comment Lines		

Fig. A2.4 Comments

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

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

Number of Comment Lines		

Fig. A2.4A Comments

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

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

Number of Comment Lines	

Fig. A2.4B Comments