

Resistance to Flow Test Report



Test Number: Job895A
Unit Number: 2
Filter ID: Wix 51040 w/Magnet

Type Of Test: HS 806 Flow
Tech: B.B
Date: 6/3/99

Subject: To perform pressure verses flow testing according to SAE J806, 1995 Edition, Chapter 1 Resistance to Flow Testing. Testing was performed using a Wix 51040 with the Magna-Guard Magnet installed.

Object: To determine if the installation of a Magna-Guard Magnet into the outlet port of an oil filter, alters the flow characteristics of the filter. Also, to determine if the magnet migrates during high flow conditions.

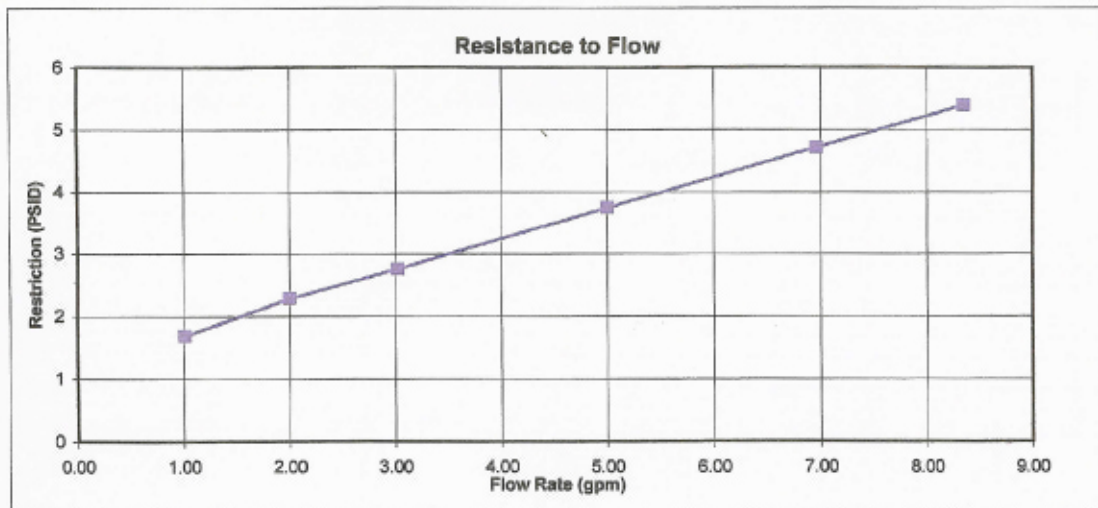
Test Conditions

Test Fluid: SAE J1260 (RFO-3)
Flow: Variable

Volume: 6 Liters
Temperature: 180 DEG. F

Test Data

Flow (gpm)	Gross (psid)	Restriction	
		Tare	Net (psid)
1.01	1.68	0	1.68
2.00	2.28	0	2.28
3.02	2.75	0	2.75
5.00	3.74	0	3.74
6.96	4.72	0	4.72
8.35	5.39	0	5.39



Conclusion: The Magna-Guard Magnet does not significantly change the flow characteristics of this oil filter. The selected flow range is standard for automotive type oil filter. The Magna-Guard Magnet did not move within the filter throughout the flow regime.