

V30-1928 X-REF 222 277 20 00 KIT

HYDRAULIC FILTER, AUTOMATIC TRANSMISSION

22101

TEST-CONDITIONS

Customer Name	VIEROL AG
Report No.	QA-TR-2014-051
Part No.	1010168710S
Part Name	Filter
Quantity	2
Test Date	24. - 27.11.2017
Test Item	Filter Function Test
Sample Type	Production
Judgement	Inspection



SPECIFICATION

A. Location	QA Laboratory
B. Test Condition	<p>Temperature versus Pressure</p> <p>a. Test Fluid: 3S SPECIALTY DEXRON-III Viscosity@40 °C,cst: 33.74,Viscosity@100 °C,cst: 7.35</p> <p>b. Filter Element Media: NON-Woven fabric media</p> <p>c. Test temperature: 40/80/100/120 °C</p> <p>d. Flow Rate: 3~9 (GPM)</p> <p>Different Pressure versus Flow and Initial filtration efficiency</p> <p>a. Test Fluid: 3S SPECIALTY DEXRON-III Viscosity@40 °C,cst: 33.74,Viscosity@100 °C,cst: 7.35</p> <p>b. Test temperature: Ambient</p> <p>c. Flow Rate: 200 L/h, 150 L/h, 100 L/h, 50L/h</p>
C. Specification	SAE J2312 Surface Vehicle Standard and ASTM F1067
D. Cause	OE part with VAICO part.
E. Procedure	Temperature versus Pressure. Follow the SOP(THB-QA-0017) Different Pressure versus Flow and Initial filtration efficiency. Follow the SOP (THB-QA-0019)

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VAICO part V30-1928

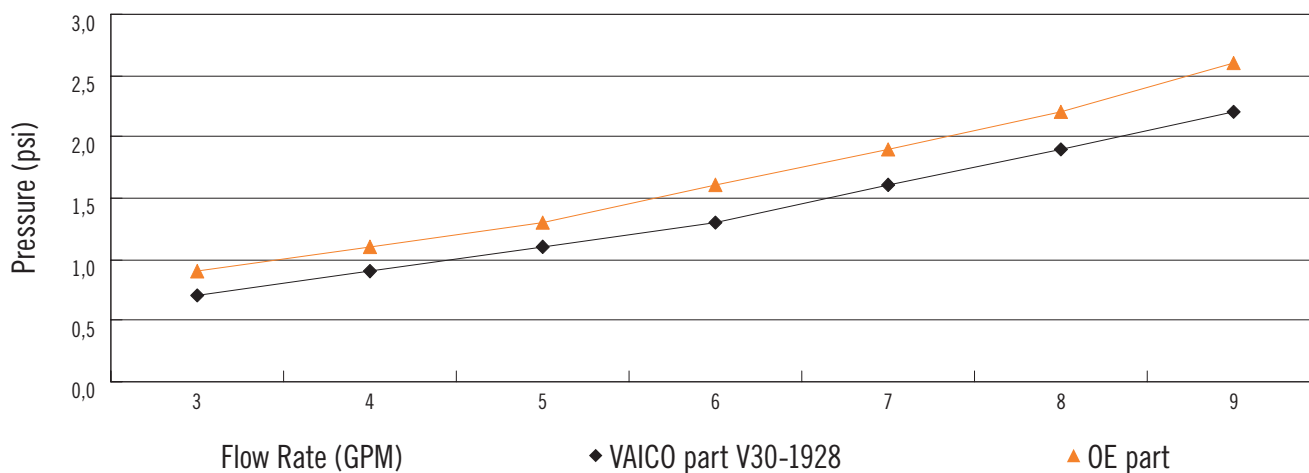


OE part

F. Result

1. Temperature versus Pressure: a. 40 °C Temperature versus Pressure

	Flow Rate (GPM)							Units: psi
Sample	3	4	5	6	7	8	9	
VAICO V30-1928	0,7	0,9	1,1	1,3	1,6	1,9	2,2	
OE part	0,9	1,1	1,3	1,6	1,9	2,2	2,6	



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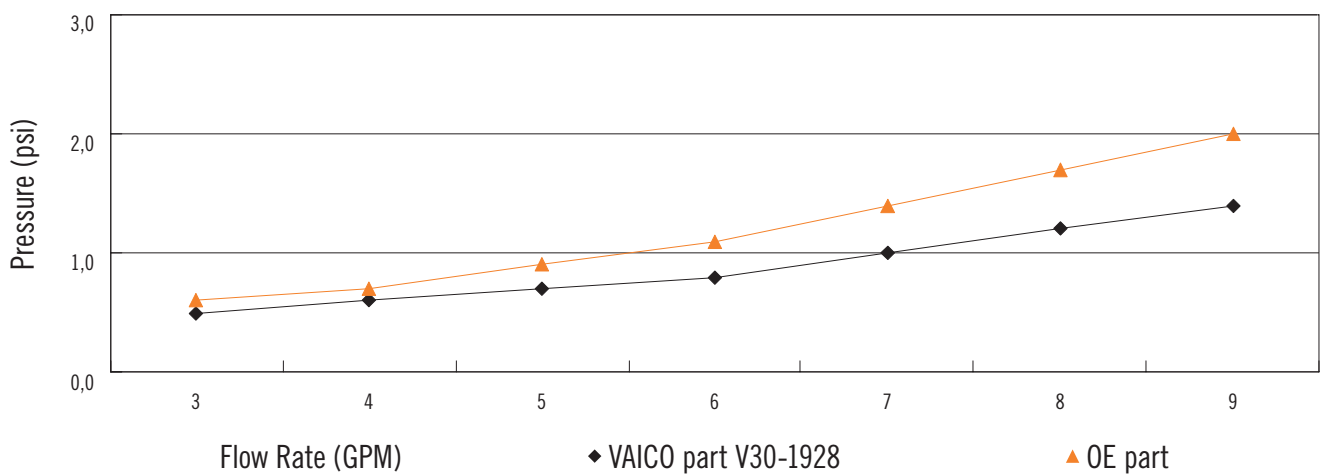
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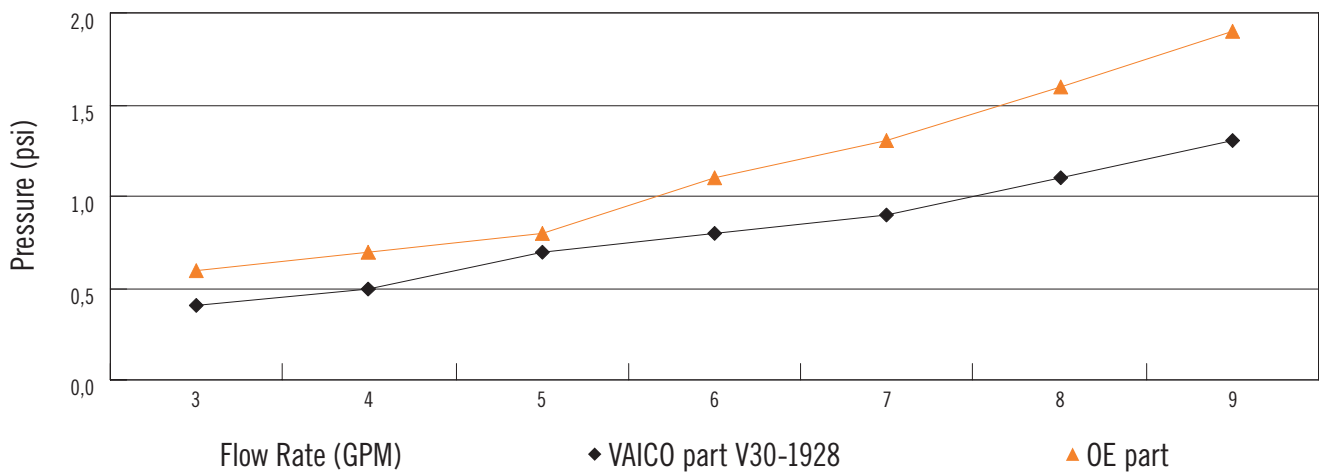
b. 80 °C Temperature versus Pressure

Sample	Flow Rate (GPM)							Units: psi
	3	4	5	6	7	8	9	
VAICO V30-1928	0,5	0,6	0,7	0,8	1,0	1,2	1,4	
OE part	0,6	0,7	0,9	1,1	1,4	1,7	2,0	



c. 100 °C Temperature versus Pressure

Sample	Flow Rate (GPM)							Units: psi
	3	4	5	6	7	8	9	
VAICO V30-1928	0,4	0,5	0,7	0,8	0,9	1,1	1,3	
OE part	0,6	0,7	0,8	1,1	1,3	1,6	1,9	



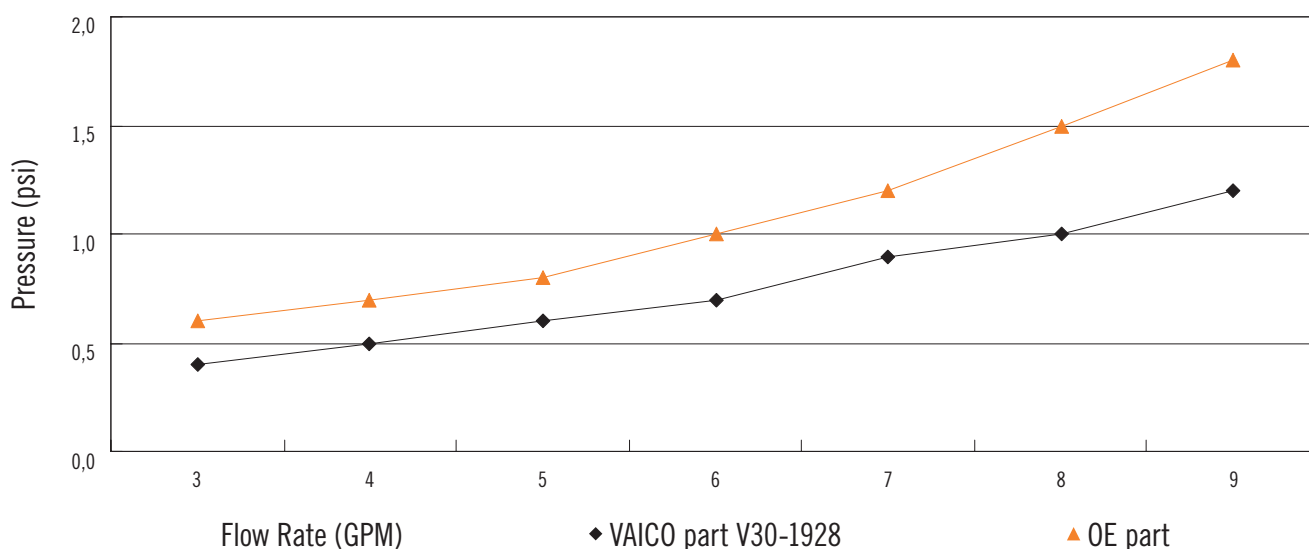
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d. 120 °C Temperature versus Pressure

Sample	Flow Rate (GPM)							Units: psi
	3	4	5	6	7	8	9	
VAICO V30-1928	0,4	0,5	0,6	0,7	0,9	1,0	1,2	
OE part	0,6	0,7	0,8	1,0	1,2	1,5	1,8	



F. Result

2. Different Pressure versus Flow:

a. Test data:

Flow Rate (L/h)	Pressure Drop versus Flow Rate				Pressure (mmHg)
	50	100	150	200	
VAICO V30-1928	Inlet Pressure	220	214	205	198
	Outlet Pressure	198	180	155	118
	Pressure Drop	22	34	50	80
OE part	Inlet Pressure	217	211	202	196
	Outlet Pressure	195	172	142	105
	Pressure Drop	22	39	60	91

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F. Result

2. Different Pressure versus Flow:

b. Test curve:

