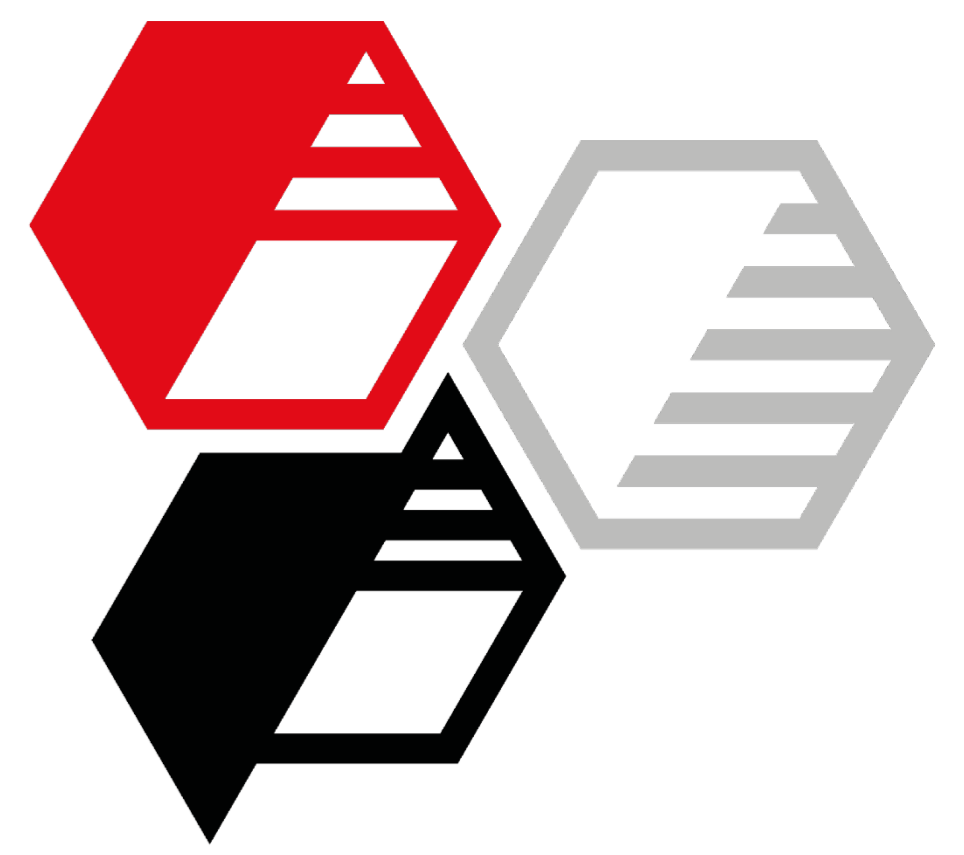


Aktisil Q in AEM seals and gaskets with reference to PSA S22 5106 class 165



in phr	Carbon black N 550		Aktisil Q	
	Control	Pol. blend	Direct repl.	T810T
Vamac Ultra IP	100	70	100	100
Vamac VMX-3110	-	30	-	-
N 550	50	50	-	-
Aktisil Q	-	-	125	125
AMEO	-	-	0.63	0.63
Rhenosin W 759	10	10	20	-
EDENOL T810T STAB	-	-	-	20
Other ingredients	10.07	10.07	10.07	10.07
Total	170.07	170.07	255.70	255.70

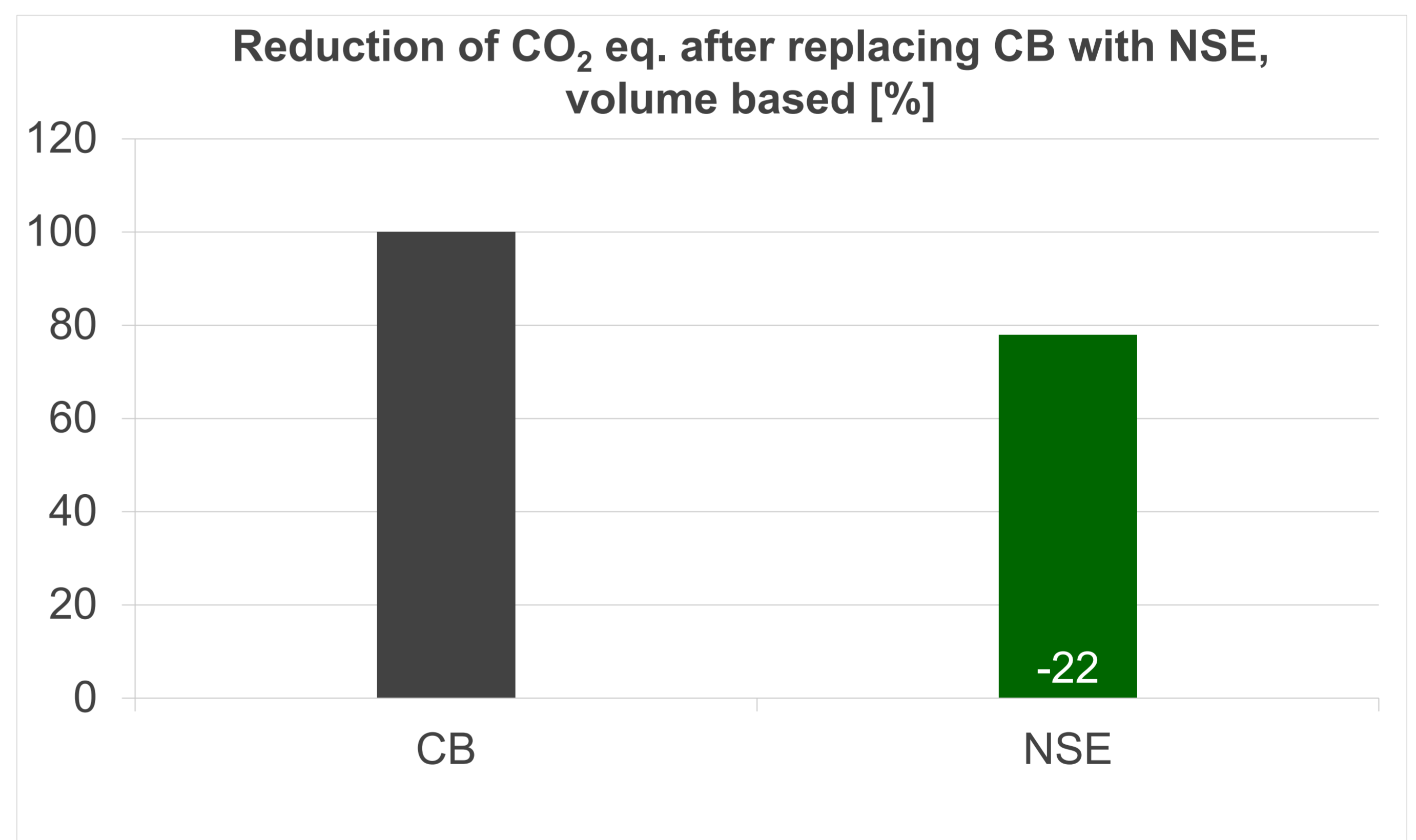
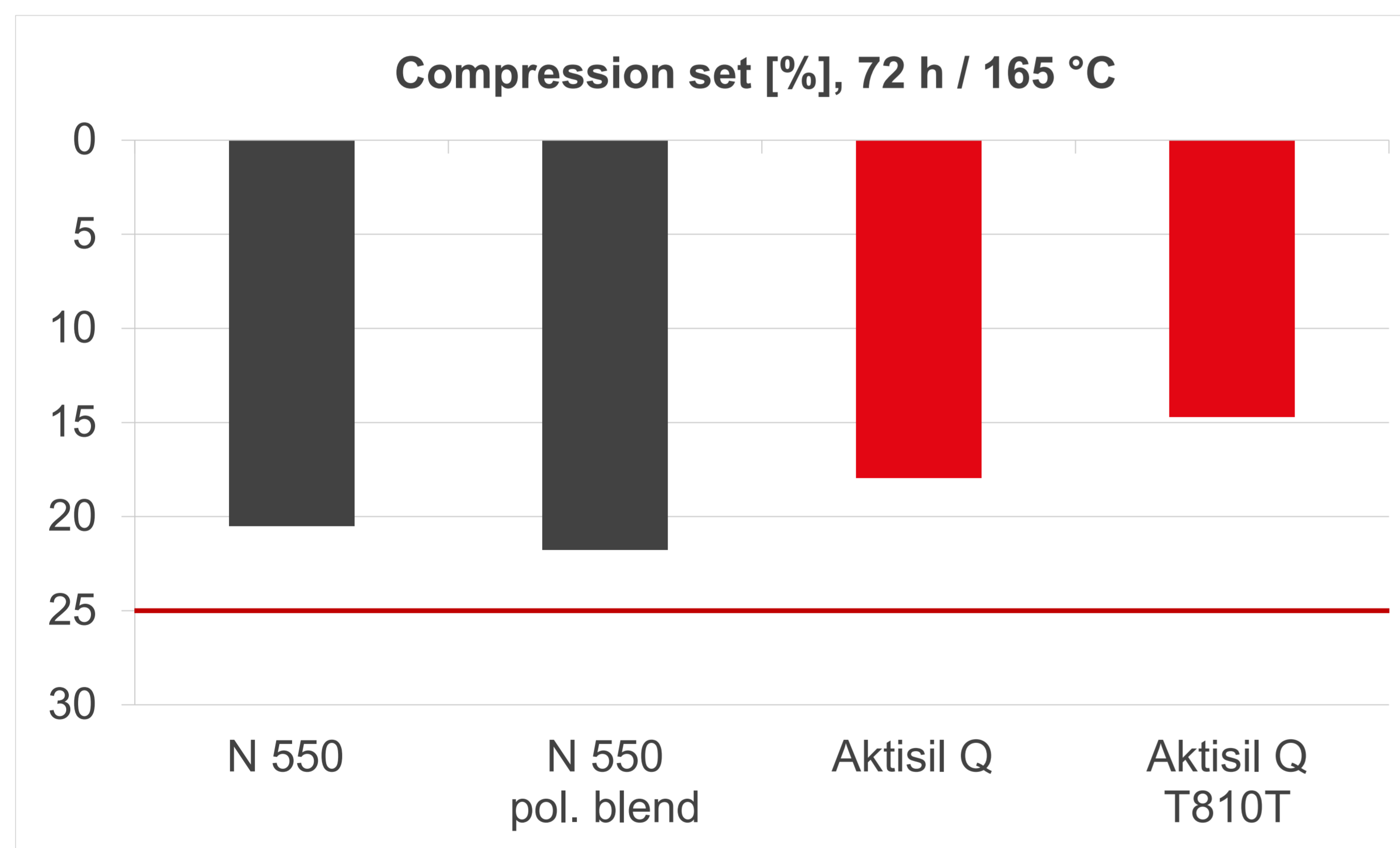
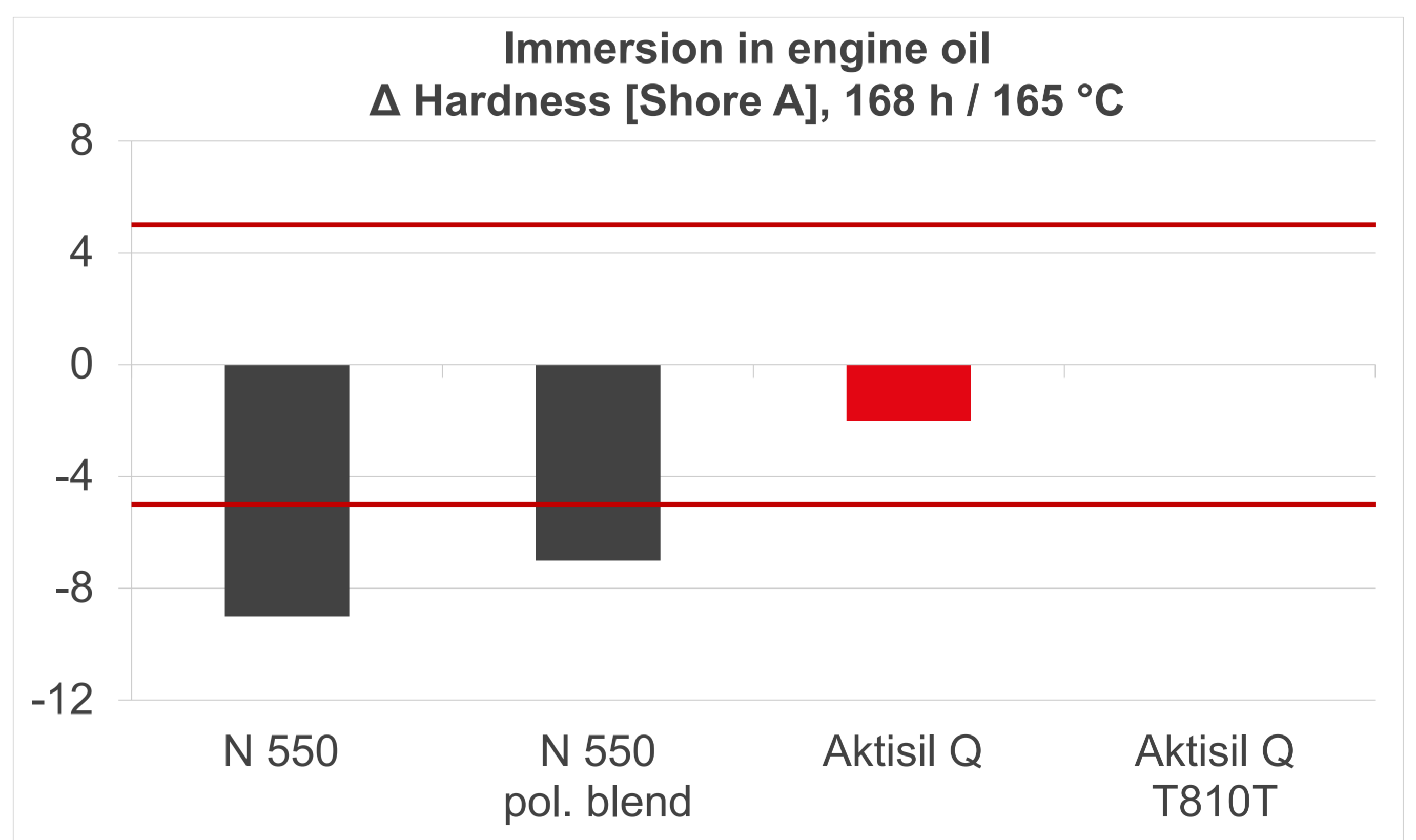
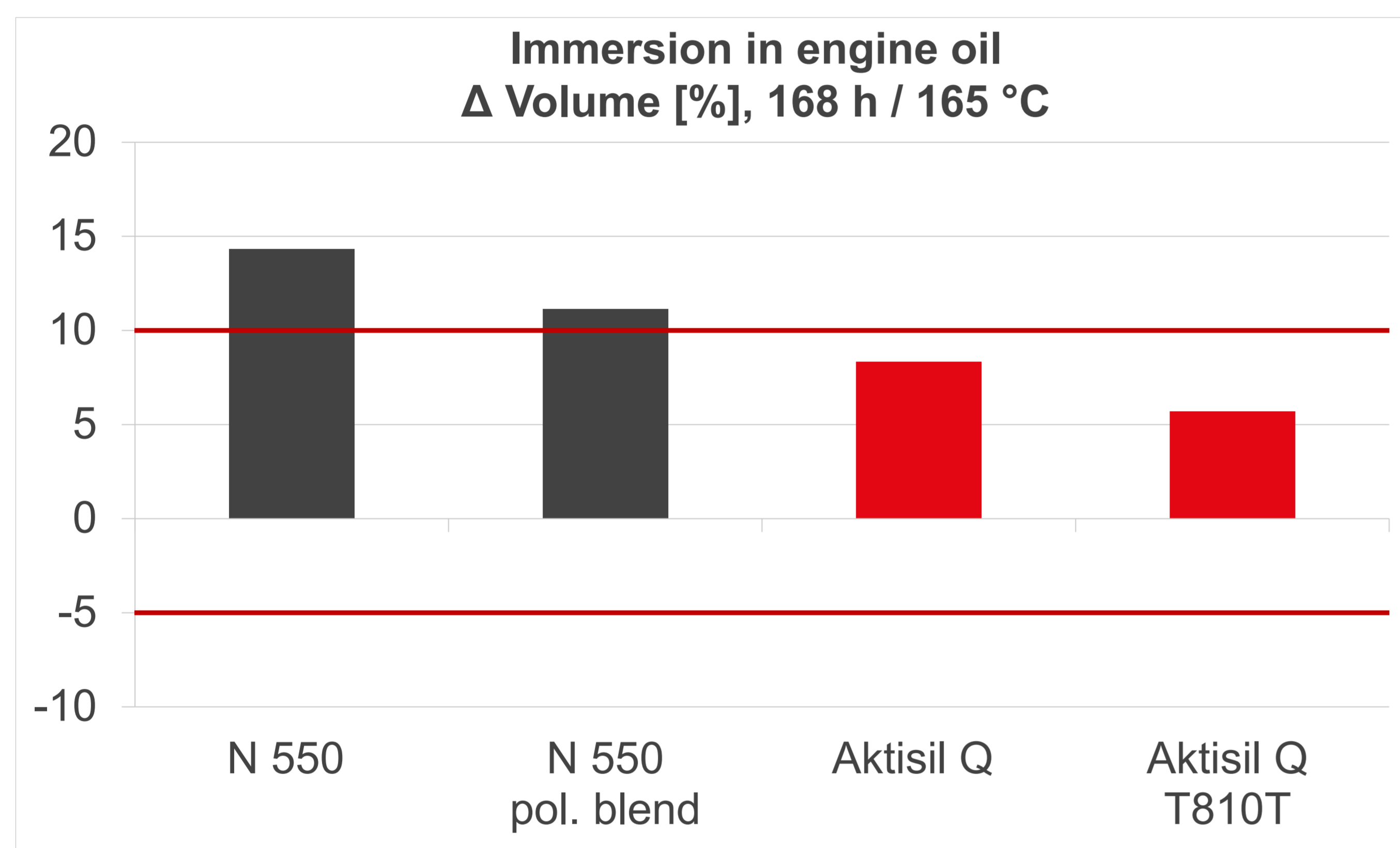
Curing: 10' / 180 °C, post-cure: 4 h / 185 °C; hardness: 60 ±5 Sh. A

Replacing N 550 with **Aktisil Q** leads to...

- ⬡ good initial properties along with a good compression set
- ⬡ good heat resistance
- ⬡ markedly improved resistance to engine oil, esp.
 - reduced hardness change
 - reduced volume increase

Additional benefits:

- ⬡ colored parts are possible
- ⬡ positive cost aspects
- ⬡ reduction of product carbon footprint



	CB N 550		Aktisil Q	
	-	pol. blend	-	T810T
Initial properties				
Hardness	++	++	+	+
Tensile strength	++	++	+	+
Elongation at break	++	++	++	++
Modulus 100 %	++	++	+	++
Compression set	+	+	+	++
Heat resistance				
Δ Hardness	++	++	++	++
Δ Tensile strength	++	++	++	++
Δ El. at break	++	++	+	+
El. at break, abs.	++	++	++	+

	CB N 550		Aktisil Q	
	-	pol. blend	-	T810T
Oil resistance				
Δ Hardness	--	--	++	++
Δ Tensile strength	+	+	++	++
Δ El. at break	+	+	+	+
El. at break, abs.	++	++	++	++
Δ Volume	--	-	+	++
Sum of +	17	18	21	23

