

# HFRR Reference fluid data

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## CEC Reference fluid

Reference fluid	Description	HCF (Humidity correction factor)	Range	PCS Product code
CEC-DF-90-92 High Lubricity reference fluid	This fluid has good lubricity characteristics and produces a smaller wear scar than the low lubricity reference fluid. Conforming to CEC standard 'F-06-A-96'. Supplied in 0.5L cans.	12	420 ± 36 μm	HFRHLRF
CEC-DF-70-08 Low Lubricity reference fluid	This fluid has poor lubricity characteristics and produces a large wear scar. Conforming to CEC standard 'F-06-A-96'. Supplied in 0.5L cans.	55	623 ± 76 μm	HFRLRF

Reference: CEC

## ASTM Reference Fluid

Reference fluid	Description	Reference Period	Target	Lower Acceptance	Higher Acceptance	PCS Product code
ASTM D6079 High Lubricity Reference fluid A – Batch 11	This fluid has good lubricity characteristics and produces a smaller wear scar than the low lubricity reference fluid. Conforming to ASTM standard 'D6079'. Supplied in 1.8 litre 0.5 US gallon cans.	01/09/2011 – 31/08/2012	408	377	439	HFRRFA
ASTM D6079 Low Lubricity Reference fluid B – Batch 11	This fluid has poor lubricity characteristics and produces a large wear scar. Conforming to ASTM standard 'D6079'. Supplied in 1.8 litre 0.5 US gallon cans.	01/09/2011 – 31/08/2012	623	560	685	HFRRFB

Reference: ASTM Test Monitoring Center