

KF 880 STARS[®]

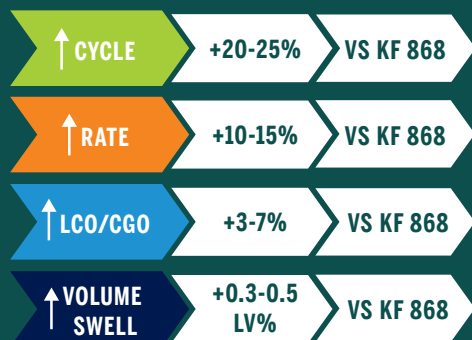
A More Intelligent Catalyst



"KF 880 STARS[®] is the latest milestone in our relentless pursuit of cutting edge HPC innovation that spans **more than 60 years**."

Peter-Paul Langerak
Business Director
Distillates HPC

FLEXIBILITY TO EXCEED ULSD OBJECTIVES



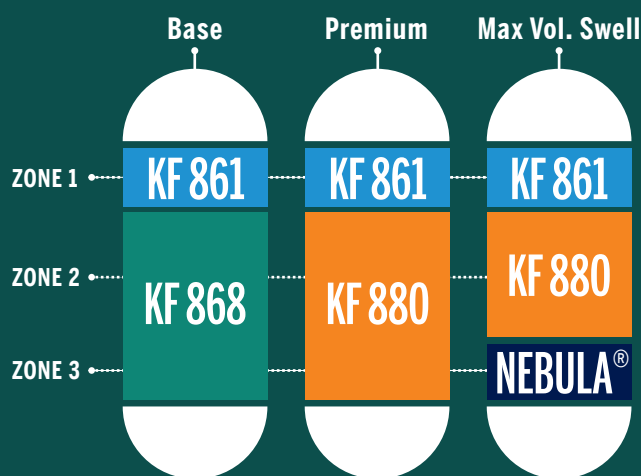
MAXIMIZING VOLUME SWELL

Product Properties	KF 880 SOR	KF 880 + 40°F
Sulfur (PPM)	15	4
Nitrogen (PPM)	<LDL	<LDL
Density (°API)	38.7	40.4
H ₂ Consumption (SCFB)	566	730
Volume Yield (%)	103.5	104.6
Feed Rate (MPBD)	51.7	52.3
↑ Revenue (MMS\$/YR)	Base	14.6*



+600 BPD additional volume swell with Max %LV mode

HIGH PRESSURE ULSD STAX[®] SOLUTIONS



Performance	Base NiMo	Premium NiMo	Max Volume Swell
RVA HDS	Base	+15%	+35%
Cetane Uplift	Base	+1-1.5	+3
Volume Swell (+LV%)	Base	+0.3-0.5	+0.7-1.0
T95 Reduction (F°)	Base	-2	-4

KF 880's advantage is derived from its significantly higher Hydrogenation activity which is most advantageous when applied in zones 2 and 3.