



# K SERIES

EPA CERTIFIED



AEO\_K © March 2009

# K6 ENGINE



**CONTINUOUS DUTY  
OIL FIELD TOUGH  
GAS FUELED  
ECONOMICAL OPERATION  
EASY MAINTENANCE  
EPA CERTIFIED  
ELECTRIC START  
ARROW 100 CARBURETOR  
SOLID STATE IGNITION  
2.7-4.8 HP, 400-800 RPM  
1 YEAR WARRANTY**

## **ARROW ENGINES - A WORLD OF QUALITY**

Arrow's continuous duty oilfield gas engines are built to excel at one of the toughest, most demanding jobs ever devised. That's why they are the best you can buy. not only to power pump jacks, but to pump liquids, generate electricity and provide the "muscle" necessary for many other jobs. Arrow engines utilize heavy flywheels to provide high internal momentum for smooth, high torque running at constant low RPM. The Arrow advantages of low RPM are substantial: less wear, less maintenance, less repair and in the long run less frequent replacement. Compared to high RPM engines, an Arrow engine lasts many times longer and costs less to operate.

## **ARROW ENGINE ADVANTAGE**

### **CONTINUOUS DUTY** Arrow

engines are designed for continuous duty 24 hours a day, day after day. Dependable performance when you need it. Arrow's heavy duty design features a heavy flywheel, a governor speed control, and a pressurized full flow lubrication system to assure continuous operation.

### **GAS FUELED** Arrow engines run

on a variety of low BTU gases: natural gas, methane, butane or propane. Whether in remote jungles or in civilization, locally available gas fuel frequently costs much less than bringing in liquid fuel or electric power.

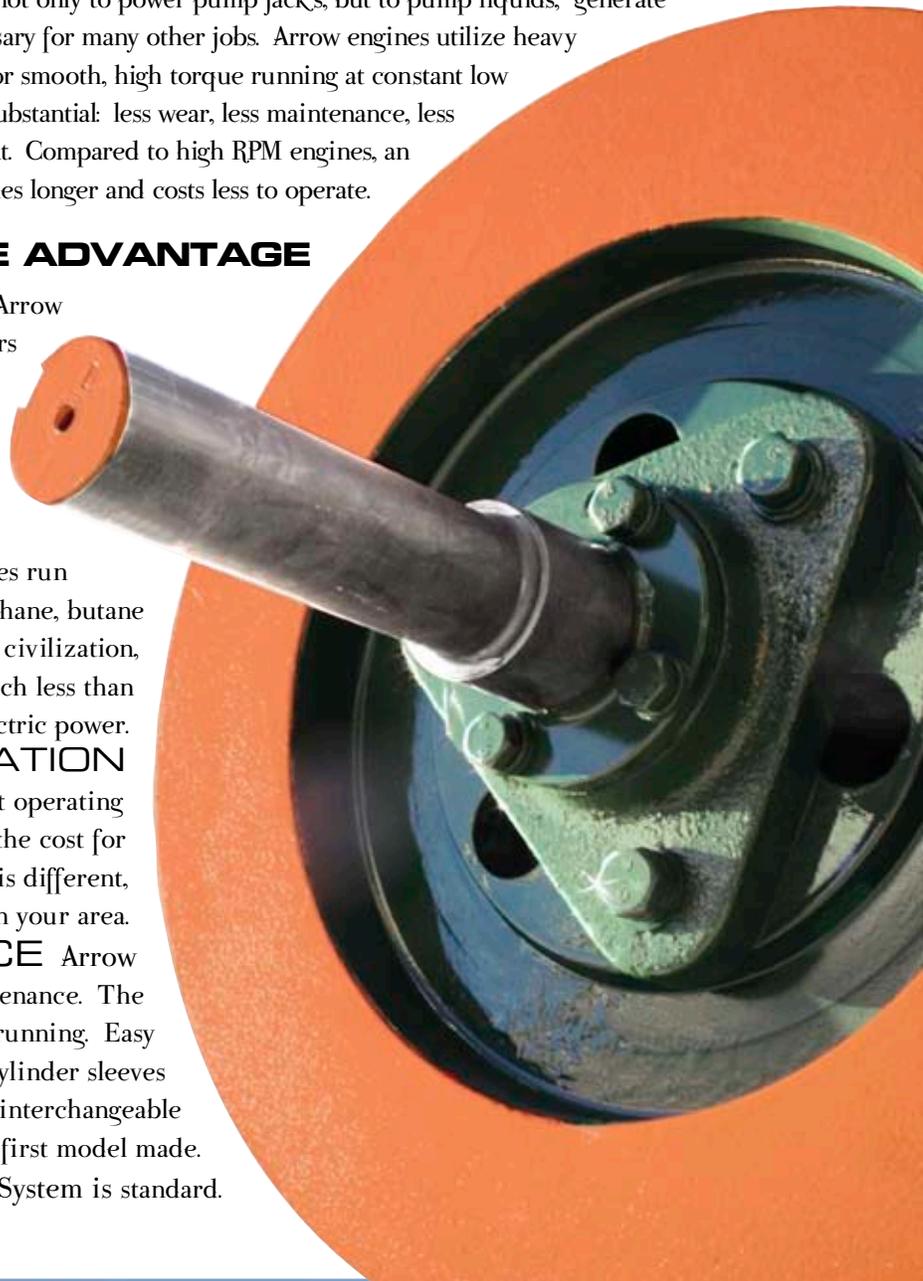
### **ECONOMICAL OPERATION**

Studies performed in the U.S. have shown that operating costs for Arrow engines can be as low as half the cost for equivalent HP electric motors. Since every area is different, you owe it to yourself to compare the costs in your area.

### **EASY MAINTENANCE** Arrow

engines are designed for easy, quick field maintenance. The oil level can be checked while the engine is running. Easy access enables replacing piston rings and wet cylinder sleeves in the field; and Arrow parts are interchangeable from the first model made.

**IGNITION** Solid State Ignition System is standard.





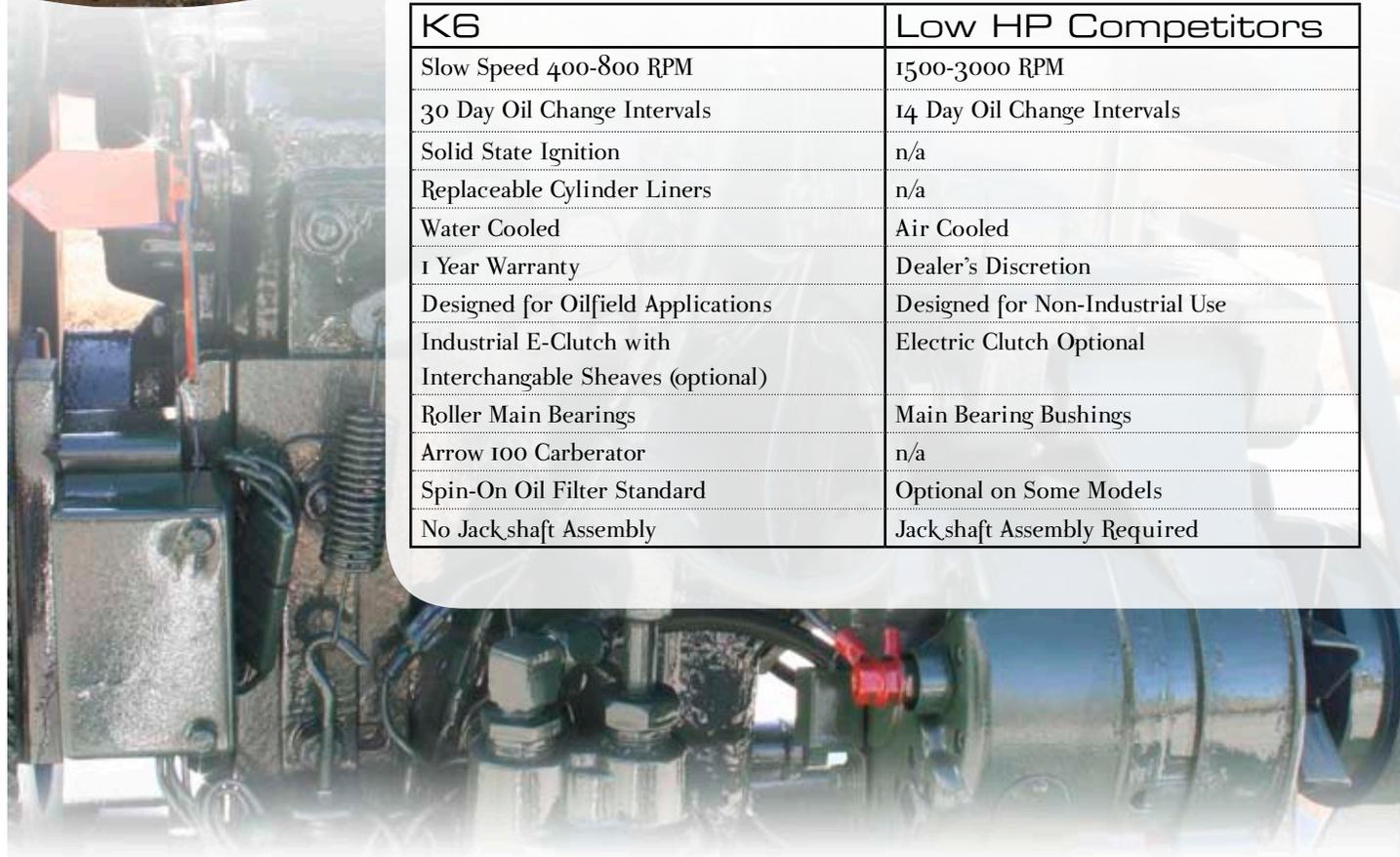
Arrow offers our **AutoStart-NS® System** package for our engines as well as other brands. This flexible, programmable system allows different cycles for each day of the week as well as continuous monitoring of critical operating parameters, warm up and cool down time and automatic shutdown when potentially hazardous conditions are detected. The automation may be set to real time, interval timing, or manual mode. Some additional key features of the unit include automatic on/off cycle timing, oil circuit integrity monitoring, selectable speed ranges, programmable start-up sequence, a tachometer, an hour meter, volt meter



and a built in start attempt counter. For further information please contact our Customer Service Department, view a video demonstration or download product information on our web site.

## PERFORMANCE COMPARISON

K6	Low HP Competitors
Slow Speed 400-800 RPM	1500-3000 RPM
30 Day Oil Change Intervals	14 Day Oil Change Intervals
Solid State Ignition	n/a
Replaceable Cylinder Liners	n/a
Water Cooled	Air Cooled
1 Year Warranty	Dealer's Discretion
Designed for Oilfield Applications	Designed for Non-Industrial Use
Industrial E-Clutch with Interchangable Sheaves (optional)	Electric Clutch Optional
Roller Main Bearings	Main Bearing Bushings
Arrow 100 Carberator	n/a
Spin-On Oil Filter Standard	Optional on Some Models
No Jackshaft Assembly	Jackshaft Assembly Required



ARROW MANUFACTURED  
**REPLACEMENT  
PARTS**

**Caterpillar® Engines**

G379      G3304  
G398      G3306  
            G399

**Ford® Engines**

300 Industrial Engine  
Governor

**Waukesha® Engines**

F2895      P9390  
F3521      145G/F817  
F5108      140G/F554  
L5790      WAK/1197  
            L7042

**Gemini® Engines**

G26      G40  
Compressor Parts

**Fairbanks® Engines**

ZC-118      ZC-503  
ZC-208      ZC-739  
            ZC-346

**Ajax® Engines**

5 x 6½  
EA-22, 6½ x 8 CMA  
EA-30, 7¼ x 8 CMA  
E-30, 7½ x 10 CMA  
E-42, 8½ x 10 CMA  
DP-60, 9½ x 10 CMA  
DP-70/80/160, 11 x 14 CMA  
DP-115/230, 13¼ x 16

Piston & Rod Assemblies

180  
360  
600  
800

Arrow Engine Company is in no way associated with Caterpillar®, Ford®, Fairbanks®, Ajax®, Gemini® or Waukesha®. All manufacturers' names and descriptions are for reference only.

**OEM**

**C-Series**

\*C-46      \*C-96  
\*C-66      \*C-106  
\*C-255

**VR-Series**

VR-155      VR-310  
VR-220      \*VR-330  
VR-232      \*VR-330CF  
\*VR-260      VR-265  
VR-283      \*VR-380

**A-Series**

\*A42      \*A54      \*A62

**\*K6 Slow Speed Engine**

**Lufkin Engines**

L-333      L-1770  
\*L-795      L-2165

**Witte Engines**

98      E15      F32  
B12      E20      F42

**Arrow Chemical Pumps**

\*10 Series (beam operated)  
\*12 & 13 Series (pneumatic)  
\*430 Series (electric)  
\*500 & 510 Series (pneumatic)  
\*Solar Chempump

**\*VRC-2 Gas Compressor**

**Gas Products**

\*Volume Tanks  
\*Vertical & Horizontal  
Separators  
\*Suction Scrubbers  
\*Meter Runs  
\*Coalscers  
\*Skids



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