

PISTON PERFORMANCE DATA SHEET

	MATERIAL BASE	HNBR	BLENDED URETHANE		POLYURETHANE	
DUROMETER	SINGLE	SINGLE		SINGLE		
MUD SYSTEM PERFORMANCE						
WBM	[Green]		[Blue]		[Yellow]	
OBM	[Green]		[Blue]		[Blue]	
SBM	[Blue]		[Blue]		[Green]	
EMULSION	[Blue]		[Blue]		[Blue]	
SALT WATER	[Green]		[Red]		[Red]	
CLEAR WATER	[Green]		[Red]		[Red]	
DESIGN FEATURES						
HEAT RESISTANCE	250 °F		300 °F		300 °F	
MAX PRESSURE	5000 Psi		7500 Psi		7500Psi	
WBM PPG USE	<10 PPG	>10 PPG	<10 PPG	>11 PPG	<10 PPG	>11 PPG
LGS SOLIDS HANDLING	10%		6%		9%	
LINER PERFORMANCE	ZIRCONIA / METAL		ZIRCONIA		IRCONIA / METAL	
MISALIGNMENT HANDLING	[Blue]		[Red]		[Yellow]	
SHELF LIFE	[Blue]		[Green]		[Green]	
EXTRUSION RESISTANCE	[Blue]		[Blue]		[Blue]	
CHEMICAL RESISTANCE	[Green]		[Blue]		[Green]	
RANGE OF PERFORMANCE						
NOTE:FOR BETTER RESULTS USE A LINER WASH A 20:1 RATIO OF WATER AND BIODEGRADABLE WATER SOLUBLE OIL AT A VOLUME OF 12-14 GPM PER PISTON.						

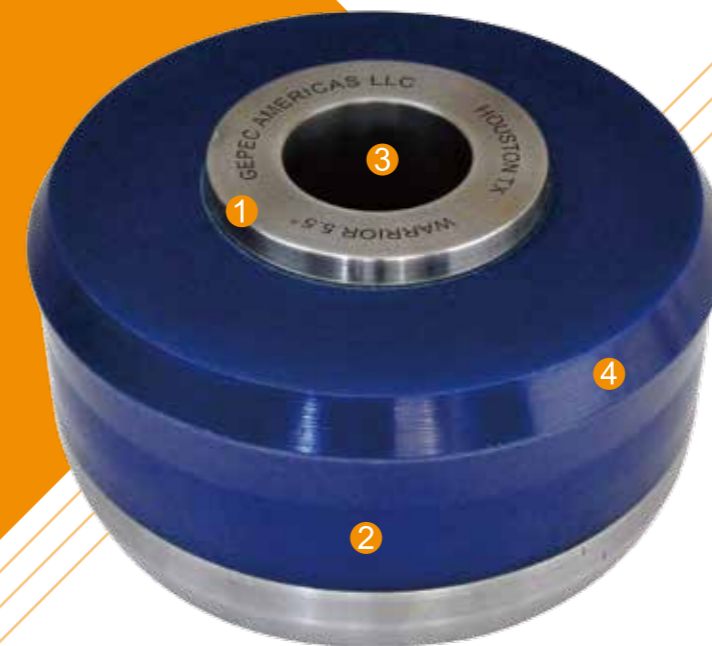
■ EXCELENT
 ■ VERY GOOD
 ■ GOOD
 ■ POOR

WARRIOR PISTON

This GEPEC WARRIOR piston is engineered for high temperature and demanding environments and also will improve pump availability while reducing HSE risks.

KEY BENEFITS

- Designed for high temperature & pressure service (300°F / 7500 PSI).
- Suitable for oil, synthetic or water-based muds.
- Excellent chemical and abrasion resistance in the most demanding well conditions.
- Enhanced piston running life with a proprietary blend of lubricating agents.
- Reduced operating costs in challenging operating environments.



- 1 Rugged, forged steel hub.
- 2 High temperature / high strength.
- 3 Bore: 1.625"
1.5" with bushing
- 4 Design for easily installation.

SPECIFICATION

Piston Diameter / Part Number					
4.5"	5.0"	5.5"	6.0"	6.5"	7.0"
GE-UB-WB-44	GE-UB-WB-50	GE-UB-WB-54	GE-UB-WB-60	GE-UB-WB-64	GE-UB-WB-70

DUAL DURO PISTON

GEPEC DUAL-DURO PISTON is a state of the art HP&HT piston designed for the most demanding drilling conditions. This piston is a single durometer design for drilling environments up to 7500 PSI and temperatures up to 300°F. The DUAL-DURO Piston is most suited for HT&HP conditions encountered in the lateral section of the well.



KEY FEATURES INCLUDE:

- Excellent liner wear characteristics.
- Maximum working temperature up to 300°F.
- High resistance to chemical breakdown, tearing and abrasion.
- Recommended for use in oil-based drilling mud, in HP&HT conditions.

SPECIFICATION

Piston Diameter / Part Number					
4.5"	5.0"	5.5"	6.0"	6.5"	7.0"
GE-UB-BL-44	GE-UB-BL-50	GE-UB-BL-54	GE-UB-BL-60	GE-UB-BL-64	GE-UB-BL-70

WATER BASED MUD PISTON

GEPEC Black piston is a premier high quality special nitrile-compound piston that can be utilized in a variety of drilling muds.

Developed to handle the numerous chemicals found in drilling mud, the GEPEC Black piston elastomer has excellent abrasion, chemical and heat resistance.



Key Features Include:

- Excellent liner wear characteristics.
- Suitable for high temperature service (250°F).
- Can be used in water, oil, emulsions and synthetic drilling muds.
- High resistance to chemical breakdown, tearing and abrasion.
- Capable to handle moderate solids contained in drilling mud.