

Biodiesel Compatibility

Gorman-Rupp Pump Model: GHS2JP3-B (/S1)



Date: April 23, 2019

The Gorman-Rupp (G-R) rotary gear pump model listed herein is manufactured using the listed wetted materials of construction. These materials are generally suitable for use with typical bio-diesel media, such as B99 or B100. There are however, additives that can be added which may be proprietary to various blends and present chemical compatibility issues that are outside of G-R's scope or knowledge. It is important that the pump user perform a complete chemical compatibility analysis against each bio-diesel blend to assure full suitability.

Wetted Construction Materials

<u>Item</u>	<u>Material Description</u>	<u>Reference No.</u>
Exterior	Class 30 Cast Iron	ASTM #A48
Rotor & Idler (gears)	High Strength Iron	ASTM #A536, #A48, or B783
Idler Pin	8620 Alloy Steel: Nickel-Chromium-Molebdenum	ASTM #A29
Shaft	1144 Steel	ASTM #A311
Relief Valve	Ductile Iron 65-45-12	ASTM #A536
Idler Gear Bushing	Carbon Graphite	GRADE P658RCH or Metcarr M-134
Shaft Bushing	Carbon Graphite	GRADE P658RCH or Metcarr M-134
Mechanical Seal	Carbon Rotating Ring Ni-Resist Stationary Seal Seat Viton A Elastomer	
Head	18-8 Stainless Steel	
Head Gasket	Class 30 Cast Iron	ASTM #A48
O-Rings	Compressed Synthetic Fibers with Buna Binder Viton A	

John Hoffner

A handwritten signature in blue ink that reads 'John Hoffner'.

Rotary Gear Product Manager
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