

VMAC UNDERHOOD now available for the Jeep® J8

Application brings UNDERHOOD capabilities into Underground Mining

Nanaimo, BC – September 11, 2014 – VMAC is proud to announce the latest application for its flagship UNDERHOOD air compressor system. It is now available on the mining certified Jeep J8 – a rugged vehicle originally designed for military use, which is now MSHA-certified and used largely in underground mining. The air compressor is rated for up to 70 CFM and up to 175 psi.

The UNDERHOOD is application engineered for the J8, taking into consideration the unique needs of the mining industry. Rather than mount the air-oil separator tank to the frame rail, where it normally resides on other applications, it is mounted in the box in a way that it takes up as little space as possible. The tank is small, measuring 34.7" (88.1 cm) in length and 6" (15.2 cm) in diameter, which ensures optimal space for tools and equipment. Like all UNDERHOOD70 applications, it weighs about 150lbs wet.

The UNDERHOOD and the Jeep J8 are ideal together because the J8's ruggedness matches the UNDERHOOD's reliability and performance in unusual conditions. The Jeep has a greatly enhanced cooling system that the UNDERHOOD system ties into. It is equipped with heavy duty rear leaf springs, affording a maximum payload of the 2,566 lbs and towing capacity of 7,716 lbs. Because it was originally designed for military use, its body is reinforced at stress points improving durability over challenging underground mining terrain.

The Jeep J8 with the UNDERHOOD will be used for maintenance on very large mining equipment that is so big it is not economical to move it above ground for servicing. It will also be used to start large underground mining machines that have a pneumatic starter, instead of an electric starter.

"The UNDERHOOD's size and low emissions make it a great fit for underground mining," says Dan Hutchinson, VMAC Vice President of Sales. "We're excited to see the interest in the product and are confident it will help workers in the industry solve some of their challenges."

VMAC designed the UNDERHOOD system in consultation with Classic Motors' mining division, which upfits truck bodies for a variety of mining applications. "This vehicle is used in underground mining already and is popular due to its adaptability," says Joseph Betar, owner of Classic Motors. "The UNDERHOOD is a natural fit for this diverse vehicle. We've always loved the UNDERHOOD for the RAM truck and knew that functionality would be beneficial in this application."

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Many VMAC products are widely used in mining, including the recently released MSHA-certified VMAC RAPTAIR Diesel Drive, a standalone diesel driven Kubota engine air compressor system.

VMAC UNDERHOOD70 Features:

Compressor Type:	Rotary Screw, Belt Driven, 100% duty cycle, VMAC oil-injected
Capacity (CFM):	up to 70 CFM, up to 175 psi
Weight (wet):	~150lbs (68 kg)
Bracket:	Lightweight cast aluminum design, application engineered, easy installation
Air/Oil Separator Tank:	Lightweight aluminum, compact, mounts in the box
Cooler:	Liquid to liquid, mounts below radiator
Throttle Control:	Adjusts engine and speed automatically to match air demand
Displays and Controls:	LCD display; service notifications, error messages and system temperature
Safety Features:	Vehicle drive disable circuit on throttle control, park brake safety shut-off switch on control box, electric clutch on compressor, over-temp shut-down
Warranty:	Two years on all major components
MSHA certified:	The Jeep J8 is MSHA certified for underground mine operations in North America

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Vehicle Mounted Air Compressor Systems