Fan Clutches for Cold Environments

Russ Gross[1] and Jon Nelson[2]

Abstract

Diesel and natural gas engine equipment operating in cold environments can experience downtime caused by overcooling from a direct drive fan: breathers can freeze; diesel particulate filters can fail to regen due to insufficient heat. The addition of a fan clutch to these engines as part of a cold weather package can alleviate overcooling issues, while also reducing fuel use by up to 5%.

[1]Horton Inc., Manager, Off-Highway Aftermarket Sales.
[2]Horton Inc., Sales Engineer, Engine Manufacturers and Distributors

Russ Gross is the Manager of North American Off-Highway Aftermarket Sales at Horton, Inc. He holds a Bachelor of Science in Mechanical Engineering (BSME) from Purdue University and has over 15 years of sales and engineering experience in the on- and off-highway diesel and natural gas engine components markets.

Jon Nelson is the Sales Engineer for Engine and Engine Distribution in the Off-Highway market at Horton, Inc. He holds a Bachelor's degree in Mechanical Engineering from the University of Minnesota – Twin Cities and has over 6 years of sales and engineering experience in the airflow management field.