



October 10, 2008

Detroit Diesel
13400 Outer Drive, W.
Detroit, MI 48239

Mr. Rand Smith
Sutphen Corporation
7000 Columbus-Marysville Road
Amlin, OH 43002

Subject: Vehicle Sign-Off Approval #21320-014
Sutphen Monarch Chassis, 2007 Series 60 Engine

Mr. Smith:

Detroit Diesel has recently completed the review of Vehicle Sign-Off #21320-014. This review covers the use of a Detroit Diesel Series 60 engine rated at 515 bhp / 1650 lb*ft, model number 6067HG4E, in a Sutphen Monarch chassis firetruck application. The results of this review are listed below.

	Status	Comments
Vehicle Information	ACCEPTED	_____
Fuel System	ACCEPTED	_____
Lubrication System	ACCEPTED	_____
Air Intake System	ACCEPTED	_____
Charge Air Cooling System	ACCEPTED	_____
Air Compressor	ACCEPTED	_____
Exhaust System and ATD	ACCEPTED	_____
Cooling System	ACCEPTED	_____
Engine and Transmission Mounting	ACCEPTED	_____
Power Take Off	N/A	_____
Electrical System	ACCEPTED	_____
Engine Control System	ACCEPTED	_____
Driven Component Systems	ACCEPTED	_____
Serviceability	ACCEPTED	_____

Please contact me if you have any concerns. Thank you for your cooperation.

Sincerely,

Brian Chaput
Senior Application Engineer

cc: Mr. Don Bixler, Clarke Power Services, Inc.

