

Lubecore Communication

Subject: New Wiring Harnesses

Date: November 7, 2013

Lubecore International Inc. has recently moved towards the use of Deutsch connectors for the wiring harnesses we offer for our lubrication systems. Some people have asked why we have made such a move and what are the benefits of this change? Here are the answers to those questions.

Benefits of the New Harness:

1. The new design is usable with more pumping systems. It can be used in the EPO and EP2 Pneumatic pumps, as well as the EPO Electric Gear Pump and the Electric Progressive pump.
 - a. This allows for fewer stock items and less inventory requirements for installations and service.
2. The MKII Spyder and Trailer Timer currently use Deutsch connections, and this is the next step in Lubecore's transition to Deutsch connections
3. Deutsch connections are easy to service in the field. This makes troubleshooting and future adaptations easier.
4. Deutsch connections are popular with OEMs - Hitachi, Caterpillar, Nova Bus, and others
5. Harness is made at Lubecore using wire processing machines to ensure quality control, adaptability and versatility.
6. Custom cable is marked with Lubecore name and part number
7. Harness set is designed to reduce and even eliminate intermediate connections. Fewer connections mean fewer opportunities for corrosion and failure.
8. Since harnesses are made at Lubecore, custom lengths can be specified by customers to fit specific needs – shorter lengths for small machines, longer single lengths for large machines, shorter lengths to reduce costs
9. Diverse sensors can be easily incorporated into the standard harness – such as DIN connection for solenoid, M24 round connection for Pressure switch/Low Level, Progressive Divider Valve piston detector, Air pressure switch, and many more.
10. Harnesses are lower cost
11. Environmental benefit – no heavy manufacturing such as vulcanized rubber components.
12. Common Ground Buss in Cab.
 - a. Makes easy connection for options such as:
 - i. In-Dash Smart Switch
 - ii. Air pressure sensor
 - iii. PTO Switch



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- b. Only one ground lug is needed which makes for an easier installation and troubleshooting
- c. Sealed connection at common ground buss