100% CUMMINS HHP ENGINES APPROVED FOR R100 RENEWABLE DIESEL





WHAT IS RENEWABLE DIESEL?

Renewable diesel, also known as paraffinic fuel, is a low carbon biofuel produced from processing waste lipids, such as vegetable oils, tallow or used cooking oil.



HYDROTREATED VEGETABLE OIL (HVO)





USED BY TING PURPOSES





THE MOST READILY **AILABLE RENEWABLE**



UNDERSTANDING RENEWABLE DIESEL BLEND VS. UNBLENDED

Operators can choose to use unblended renewable diesel or mix with conventional diesel at any proportion.



WHY RENEWABLE DIESEL?









ONLY 1-2% POWER LOSS EXPECTED **WITH R100 HVO**



CAN BE STORED UP TO 10X LONGER THAN STANDARD DIESEL



NOT IMPACTED BY BACTERIAL GROWTH AND OXIDATION ISSUES



MAINTAINS PERFORMANCE IN COLD WEATHER



FOR TRADITIONAL DIESEL

DROP-IN REPLACEMENT



UNDERSTANDING RENEWABLE DIESEL'S GHG EMISSIONS

* Any renewable diesel that meets the EN15940 standard can be used in Cummins engines, but exact carbon reduction measurements vary. Here's why:



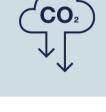
WELL-TO-WORK CARBON INTENSITY











WELL-TO-TANK Carbon intensity coming from

the production and distribution of the fuel



how the fuel is produced and distributed



possible, dependent on fuel supplier

TANK-TO-WORK Carbon intensity from burning

or consuming fuel





QSK45

ACE

QSK95

QST30

V903

ARE COMPATIBLE? K/QSK38 K/QSK19 K/QSK50 QSK23

QSK60

All engines currently in the field can be used with HVO

at any percentage with no engine modifications required.

QSK78