



ENGINEERING APPLICATION APPROVAL -- STEERABLE DRIVE AXLES & TRANSFER CASE

CUSTOMERS REFERENCE, ORDER OR VEHICLE NO. ENGINEERING APPROVAL NO.

Quote this number on purchase order

VEHICLE OPERATION: Location, Final Purpose, Type of Operation, % Off-Highway, % On-Highway, Max % Grade

SPECIAL OPERATING CYCLE: Hours, Horsepower, MPH, % Grade

VEHICLE DETAILS: Make, Model, Wheelbase, GVWR, GAWR (Front), GAWR (Rear), GCWR

ENGINE: Make, Model, Net HP, Net Torque, Net Governed Speed, RPM, AUX. TRANSMISSION: Make, Model

ENGINE RETARDER: Yes/No, Type, # Aux. Fwd Speeds

TRANSMISSION: Make, Model, # Fwd Speeds, Lo Gear Ratio, Torque Conv Stall Ratio, OD or HI Ratio, Rev. Ratio

TRANS RETARDER: Yes/No, Type, Notes

FRONT AXLE: Make, Model, Ratio, Capacity

REAR AXLE: Make, Model, Ratio, Capacity

TRACT. DEVICE: Limited Slip, No Spin, Diff. Lock, Central Tire Inflation

TRANSFER CASE: Make, Model, Underdrive Ratio, Front Axle Drive (Declutch, Differential, Clicker)

DRIVELINES: Front Make & Series, Rear Make & Series

BRAKES: Air, Hydraulic, ABS (Make)

WHEELS: Front - Make, Model, Part No., Size, Offset, Dia. Bolt Circle, Stud Piloted, Dia. Bolt Circle, Hub Piloted

TIRES: Front - Make, Model, Size, Tread, Static Loaded Radius, In., Rears/Mile

SUSPENSION: FRONT - Spring Width, In., Spring Center, In., Capacity

STEERING: Left Side, Right Side, Both - Left & Right, HUBS: Free Spinning Hubs

PINION ROTATION: Clockwise, Counter Clockwise, For Fwd Direction (Viewed from pinion splined end)

TRANSFER CASE REQUIRED: Part No. Requested, SINGLE SPEED, HYD. PUMP DRIVE, PTO READY, LUBE PUMP, PROPORTIONING DIFFERENTIAL, TWO-SPEED, SAE MTG, FULL POWER PTO, NEUTRAL, RATIO, % FRONT, % REAR

Final installation details should be determined in conjunction with Fabco Engineering. A signed, completed copy of this form must be received by Fabco prior to shipment of product. Failure to complete this form could result in restriction of warranty coverage.

Company Name, Address, Date, Person to Contact, Telephone, FAX, email

THIS SECTION FOR FABCO USE

ENGINEERING APPROVAL NO.

STEERABLE DRIVE AXLE APPROVAL:

Model _____

Part Number _____

Ratio _____

DIFFERENTIAL:

Model _____

Single Red.

Double Red.

Two-speed

Traction Device (Manual) -

Limited Slip

No Spin (See Warning)

STEERING ARMS:

Left Side

Right Side

Both - Left & Right

HUBS: Free Spinning Hubs

Remarks:

TRANSFER CASE APPROVAL:

Model _____

Part Number _____

Single Speed

Ratios- Direct _____

Air Shift

PTO Installed

Direct Pump Drive

Lube Pump

Two Speed

Underdrive _____

PTO ready

Proportioning Differential

Ratio _____

Remarks:

NOTE:

Fabco does not approve the use of automatic slip limiting devices in steerable drive axles, due to possible loss of steering control. Vehicle power steering must be adjusted to relieve pressure before axle contacts steering stops. Fabco axles require the use of a soft damped clutch in all drive train systems using electronically controlled 10 liter (625 cu. in.) engines and above.

A Transfer case oil cooler may be required in those applications where continuous high speed operation is required, or where high ambient temperatures are experienced. When the average operating temperature is above 250F (120°C) external cooling is required. A temperature gauge or warning light/alarm can monitor operating temperature. The vehicle must be stopped to shift range.

IF APPLICATION OR DUTY CYCLE IS ALTERED - APPROVAL DOES NOT APPLY

Approved by: Fabco Engineering

Date

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