



# TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D)

## DESCRIPTION

49 NORTH® TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D) is an all-season hydraulic fluid specially designed to provide outstanding low temperature fluidity to -40° F (-40° C). It is a multifunctional tractor hydraulic/transmission fluid that exceeds the requirements of John Deere Specification J20D and is designed lubricate tractor transmissions, differentials and final drive gears. 49 NORTH® TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D) functions as a power steering, power brake, power take-off and implement drive fluid with sufficient friction and heat transfer characteristics to facilitate the efficient operation of tractor wet brakes and power take-off units.

## QUALITIES

49 NORTH® TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D) is a special blend of base stocks engineered to provide outstanding low temperature fluidity while providing excellent corrosion protection and oil oxidation stability for year-round performance. 49 NORTH® TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D) provides tractor transmissions, axles and hydraulic pumps with superior extreme pressure (EP) and anti-wear performance. The frictional characteristics are designed to minimize "chatter" while permitting wet brakes to hold as designed.

## APPLICATIONS

49 NORTH® TRACTOR HYDRAULIC FLUID WINTER ALL-SEASON GRADE (J20D) is intended for most tractor/implement hydraulic fluid and transmission oil applications including cold weather winter service to -40° F (-40° C) or where a hydraulic/transmission lubricant with improved low temperature properties is specified.

## TYPICAL PROPERTIES

Grade	N/A
Product Code	3330
API Gravity (ASTM D 4052)	31.0
Density, pounds (kg) per gallon	7.3 (3.4)
Flash Point, COC, (ASTM D 92) °F (°C)	401 (205)
Viscosity (ASTM D 445)	
cSt at 40° C	37.3
cSt at 100° C	8.3
SUS at 210° F	54
SUS at 100° F	188
Viscosity Index (ASTM D2270)	207
Brookfield Apparent Viscosity (ASTM D 2983)	
cP at -20° C Max.	1500
cP at -35° C Max.	20,000
Pour Point (ASTM D 97) °F (°C)	-54 (-48)
Colour, ASTM D 1500	2.5
Foam Test, ASTM D 892	Pass

## Lubricants For All Reasons