

PRODUCT INFORMATION



FULL SYNTHETIC - HEAVY DUTY UNIVERSAL - LOW TEMPERATURE TRACTOR HYDRAULIC & TRANSMISSION FLUID

FULL SYNTHETIC UNIVERSAL FARM, CONSTRUCTION AND LOGGING LUBRICANT
OEM FORMULA FOR YEAR ROUND USE IN ALL CLIMATES
FORMULATED TO MEET JOHN DEERE J20D LOW TEMPERATURE REQUIREMENTS

DESCRIPTION:

SYNGARD™ PREMIUM FULL SYNTHETIC TRACTOR HYDRAULIC AND TRANSMISSION FLUID IS A UNIVERSAL HYDRAULIC AND TRANSMISSION FLUID FOR FARM TRACTORS, CONSTRUCTION EQUIPMENT AND LOGGING EQUIPMENT WHERE A SINGLE FLUID SERVICES THE HYDRAULICS, TRANSMISSION, WET CLUTCH, WET BRAKE, POWER STEERING AND FINAL DRIVES FOR TWO WHEEL AND FOUR WHEEL DRIVE EQUIPMENT.

SYNGARD™ PREMIUM FULL SYNTHETIC TRACTOR HYDRAULIC IS FORMULATED USING FULLY SYNTHETIC BASE OILS SPECIALLY SELECTED FOR THEIR LOW TEMPERATURE FLOW CHARACTERISTICS AND IS DESIGNED TO MEET THE LATEST JOHN DEERE J20-D AND CASE IH HIGH TRAN ULTRA SSL SPECIFICATIONS. THIS PRODUCT OFFERS EXCEPTIONAL RESISTANCE TO OXIDATION, HIGH THERMAL STABILITY AND RESISTANCE TO HIGH TEMPERATURE THINNING. AN OEM APPROVED DRIVE TRAIN ADDITIVE PACKAGE OFFERS OUTSTANDING EXTREME PRESSURE (EP) PROTECTION FOR HIGHLY LOADED GEARS.

SYNGARD™ FULL SYNTHETIC SEPARATES WATER EASILY TO PREVENT RUST AND CORROSION IN TRANSMISSION, GEAR BOXES, PUMPS AND HYDRAULIC CYLINDERS. STRONG ANTI-FOAM ADDITIVES PREVENT PUMP CAVITATION DUE TO INTERNAL FOAMING. SPECIAL FRICTION MODIFIERS ASSIST IN SMOOTH OPERATION OF WET BRAKES AND WET BRAKES WITHOUT SHUDDER COMMON IN MANY FLUIDS.

SYNGARD™ FULL SYNTHETIC TRACTOR FLUID IS A MULTI-VISCOSITY FLUID, MEETING SAE 5W-20 SPECIFICATIONS PER JOHN DEERE J20-D SPECS AND IS SUITABLE FOR USE YEAR ROUND WITHOUT SEASONAL FLUID CHANGES IN EQUIPMENT WHERE LIGHTER FLUIDS ARE RECOMMENDED. THIS FORMULA IS THINNER AT OPERATING TEMPERATURES THAN JOHN DEERE J20-C FLUIDS (10W-30), BUT IS SUITABLE FOR USE IN ALL EQUIPMENT REQUIRING J20-C BEING OPERATED IN COLD CLIMATES.

BENEFITS:

- PROTECTS GEARS WITH EP ADDITIVES
- MULTI-VISCOSITY FORMULA FOR YEAR ROUND USE, EVEN IN COLDEST ENVIRONMENTS
- INHIBITS RUST, CORROSION AND FOAMING AND AIDS IN WATER TOLERANCE
- MIXES SAFELY WITH ALL OEM FLUIDS
- PROPER FRICTIONAL CONTROL FOR WET BRAKES AND CLUTCHES
- OEM APPROVED ADDITIVE SYSTEM

APPLICATIONS:

- NEWEST FARM TRACTORS AND COMBINES WHERE 5W-20 OR SAE 20W FLUIDS ARE RECOMMENDED (J20-D)
- COMBINES WHERE DEXRON II WAS FORMERLY RECOMMENDED
- CONSTRUCTION EQUIPMENT SUCH AS DOZERS, FRONT END LOADERS, EXCAVATORS WHEN USED IN COLD CLIMATES
- LOGGING EQUIPMENT SUCH AS SKIDDERS, FELLER BUNCHERS, HARVESTERS, LOADERS USED IN COLD CLIMATES

PERFORMANCE LEVELS:

JOHN DEERE	J20 D (LOW TEMP HY-GARD); J20-C (10W-30) EQUIPMENT USED IN COLD CLIMATES
CASE / IH	JIC 143, 145, 145, 146 MS-1204, MS-1205 (TFD), MS 1206 (POWERGARD), MS-1207 (HY-TRAN PLUS)
FORD / NEW HOLLAND	MS-1209 (HY-TRAN ULTRA SSL & HY-TRAN ULTRA), MS-1210 (TCH FLUID), B6 (HY-TRAN)
AGCO -MASSEY FERGUSON	ESN-M2C, 134A, B, C, D; M2C86B, M2C41B, M2C48B, M2C53A, FNHA-2-C-200, FNHA-2-C-201
WHITE, DUETZ, ALLIS-CHALMERS	PF821XL, M-1127B, M-1129A, M1135, M1141, PERMATRAN III, Q-1722
CATERPILLAR	TO-2
KOBELCO	UDH FLUID
KOMATSU	TRANSMISSION/HYDRAULIC FLUID
JCB	TRANSMISSION/HYDRAULIC FLUID
KUBOTA	UDT TRANSMISSION/HYDRAULIC FLUID
ALLISON TRANSMISSION	C-3 (WHEN TRACTOR FLUIDS ARE RECOMMENDED)

TYPICAL PROPERTIES	METHOD	RESULT
SAE VISCOSITY GRADE	J300	5W-20
SPECIFIC GRAVITY	D1298	0.8534
VISCOSITY cSt @ 100°C	D445	7.34
VISCOSITY INDEX	D2270	176
VISCOSITY @ -18°C Cp	BROOKFIELD D2983	1,350
COLD CRANK SIMULATOR @ -30°C, cP	D5293	<6600
CALCIUM PPM	ICP	2,950
ZINC PPM	ICP	1,340
PHOSPHOROUS	ICP	1,140
SULPHUR CONTENT %	D2622	0.288
COPPER STRIP CORROSION	D130	1A
FOAM, SEQUENCE II	D892	0/0
POUR POINT °C (°F)	D97	-47 (-53)
FLASH POINT, COC °C (°F)	D92	214(417)

STOCK NO.	PRODUCT	SIZE	UNIT UPC	CASE UPC	CASE DIMENSIONS	CUBE	CS WGT.	FULL PAL. / WGT.
592894	SynGard FS All Season Trac. Hyd. J20-D	1/5 GAL	0 72372 92886 7				42 LBS.	42 EA. / 1844 LBS.
592886	SynGard FS All Season Trac. Hyd. J20-D	1/55 GAL	0 72372 92886 2				460 LBS.	4 EA. / 1916 LBS.



MARTIN LUBRICANTS

DIVISION OF MARTIN OPERATING PARTNERSHIP LP
484 E. 6TH ST., SMACKOVER, AR 71762 2727 ROE LANE, KANSAS CITY, KS 66103
PHONE: 870 861-8700 FAX: 870 864-8661

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