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# Service Bulletin

**General Info/Admin #08-01a**  
General Information Section

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## Toro Recommended Lubricants

PRODUCT: Toro Commercial Products

UNITS AFFECTED: MODEL NUMBERS: SERIAL NUMBERS  
All All

SUBJECT: Recommended list of hydraulic lubricants for TORO commercial products.

This list is intended to provide easy reference to information most commonly accessed. Every effort has been made to assure the information provided in the charts are up to date.

All oils mentioned in these charts are based on Toro engineering specifications. Please refer to your equipment's Operators Manual to confirm acceptable substitutes (if any). You may also refer to Toro's website for Service Bulletins regarding the use of biodegradable oils (listed under General Topics).

All traction units have grease fittings that must be lubricated regularly with No.2 General Purpose Lithium-based grease. If machinery is operated under severe conditions, lubricate all bearings and bushings more often than normal recommendations.

### IMPORTANT NOTES:

Specifications, and lubricants listed herein are subject to change without notice. Refer to Toro on the internet at [www.toro.com](http://www.toro.com) for free online Toro operator manuals.

WARRANTY: Information Bulletin Only.

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Initials								

# Reel Mowers

Note: Approximate capacities in litres - all models are filled at the Toro factory with mobile Oil.

Model	Engine	Hydraulic System	Transmission	Cutter Gear Box	Other
Greensmaster 105	SAE 30 API SC 0.6ltr		SAE 90 Gear Oil		
Greensmaster 500	SAE 10W30 API SC 0.6ltr		SAE 90		
Greensmaster 800/1000/1600	SAE 30 API SC 0.5ltr				
Greensmaster 3000	SAE 30 API SF 2.5ltr	ISO 68 17.0ltr OR ISO VG 32/46			
Greensmaster 3050/3100	SAE 30 API SF 1.7ltr	ISO 68 32ltr OR ISO VG 32/46			
Greensmaster 3150	SAE 30 API SF 1.7ltr	ISO VG 46/68 20.8ltr Or ISO VG 32/46			
Greensmaster 3000-D	SAE 10W30 API CD 3.6ltr	ISO 68 11.4ltr Or ISO VG 32/46			
Greensmaster 3200/3200-D	SAE 10W30 API CD 3.0ltr	ISO 46/68 24.6ltr Or ISO VG 32/46			
Greensmaster 3250-0	SAE 10W30 API CD 3.3ltr	ISO VG 46/68 20.8ltr Or ISO VG 32/46			
Greensmaster Flex 21	SAE 10W30 API SC		Oexton III ATF		
Pro 2000-D	SAE 30 API SG 3.3ltr	SAE 10W30 Motor Oil 4.7ltr	Front Transaxle: SAE EP80/90 1.3ltr	PTO Gearbox: SAE 80W90	
Pro 2000	SAE 30 API SG 1.7ltr	SAE 10W30 Motor Oil 4.7ltr	Front Transaxle: SAE EP80W90 1.3ltr	PTO Gearbox: SAE 80W90	
Reelmaster 216	SAE 30 API SF 1.0ltr	ISO 68 13.2ltr			
Reelmaster 216-D 20/23/2600-D	SAE 10W30 API CD 2.8ltr	ISO VG 46/68 or ISO VG 32/46 12.5ltr			
Reelmaster 3500-D	SAE 15W40 API CD 5.0ltr	ISO 68 24.6ltr	Front Transaxle SAE 80W90 3.8ltr		Rear Axle: SAE 80W90 2.4ltr
Reelmaster 3100-D	SAE 10W-30 API CD 2.8ltr	ISO VG 46/68 or ISO VG 32/46 13.2ltr	Front Transaxle SAE 80W90 3.8ltr		Rear Axle: SAE80W90 2.4ltr
Reelmaster 450-D/4500-D	SAE 10W30 API CD 6.5ltr	ISO 68 69.0ltr	Planetary: 9ltr SAE 80W90		
Reelmaster 4000-D	SAE 10W30 API CD 7.6ltr	ISO 68 69.0ltr	Planetary: 9ltr SAE 80W90		
Reelmaster 5200-D/5400-D	API 10W30 API CD 3.7ltr	ISO 46/68 32.2ltr Or ISO VG 32/46	ISO 46/68 4.7ltr		Rear axle: SAE 80W90
Reelmaster 335-D/3500-D	SAE 15W40 API CD 5.0ltr	4.6ltr	Front Transaxle SAE 8W90 3.8ltr		Rear Axle: SAE 80W90 2.4ltr
Reelmaster 350-D	SAE 10W30 API CD 7.0ltr	ISO 68 45.4ltr			
Reelmaster 5100-D/5300-D	API 10W30 API CC 3.7ltr	ISO 46/68 32.2ltr Or ISO VG 32/46	ISO 46/68 4.7ltr		Rear axle: SAE 80W90
Reelmaster 223-D	API 10W30 API CD 3.7ltr	ISO 46/68 32.2ltr Or ISO VG 32/46	SAE 10W30 4.7ltr		Rear axle: SAE 80W90
Reelmaster (Kubota) 6500-D/6700-D	SAE 10W30 API CD 5.0ltr	ISO 46/6 32.2ltr or ISO VG 32/46	Planetary: 0.5ltr SAE 85W140		Rear Axle: SAE 85W140
Reelmaster (Peugeot) 6500-D/6700-D	SAE 15W40 API CD 5.0ltr	ISO 46/68 32.2ltr or ISO VG 32/46	Planetary: 0.51tr SAE 85W140		Rear Axle: SAE 85W140
Spartan/Reelmaster Gang Mower			Gear Case SAE 140		Rear Roller: SAE 90 or 140 0.47ltr

ISO Type 46/68	ISO Type 68	ISO Type 150	ISO Type VG 32/46	ISO Type VG 46/68
Mobile Fluid 424 Texaco TDH Shell Donax TD BP Oil BP HYD TF Castrol Agril Hydraulic Oils Plus	Mobile DTE 26 or DTE 16 Texaco Rando HD68 Shell Tellus 68 BP Oil Energol HLP68 Castrol Hyspin AWS 68	Mobile DTE EH (extra heavy) Shell Turbo 150 Standard Oil Energol HLP 150 Castrol Hyspin AWS 150	Mobi EAL 224 H Biodegradable Not to be used in systems where reservoir is in the transaxle. Fluids in this group not compatible with those in other groups.	Mobile DTE 15M Texaco Rando HDZ46 Shell Tellus T 46 Castrol AWH 46

# Rotary Mowers

(Approximate Capacities in litres) Note: All models are filled at the Toro factory with mobile oil

Model	Engine	Hydraulic System	Transmission	Cutter Gear Box	Other
Groundmaster 580-D (30580)	SAE 10W30 API CD 8.0ltr	ISO 68 151.0ltr			Planetary: SAE 80W90 1.2ltr
Groundmaster 580-D (30581)	SAE 30 API CD 10.0ltr	ISO 68 151.0ltr			Planetary: SAE 80W90 1.2ltr
Groundmaster 455-D (peugeot)	SAE 15W40 API CD		Front Transaxle oil 80W90		Rear Axle SAE 80W90
Groundmaster 4000-D -4100-D	SAE 10W30 API SF 2.5ltr	Mobil DTE 15M 30.3ltr		Planetary: SAE 85W140	Rear Axle SAE 85W140
Groundmaster 4500-D/4700-D	SAE 10W30 API CD	Mobile DTE 15M 28.4ltr		Planetary: SAE 85W140	Rear Axle SAE 85W140
Groundmaster 3500-D	SAE 10W30 API CD	ISO 68 22.6ltr			
Groundmaster 3000-D	SAE 15 W40 API SG 4.5ltr	ISO 46/68 11.4ltr			Rear Axle Mobile 424 ISO 46/68 0.9ltr
Groundmaster 220-D/223-D/322-D/325-D 328-D 3280-D	SAE 10W30 API CD 3.6ltr	SAE 10W30 4.7ltr	Front Transaxle SAE 80/90 3.8ltr	Aluminium SAE 10W40 Cast Iron SAE 80W90	Rear Axle: SAE 80W90
Groundmaster 228-D	SAE 10W30 API CD	SAE 10W30-10W40			
Groundmaster 1000L	SAE 10W30 API SC	SAE 10W30	Planetary: 9ltr SAE 80/90		
Greens Aerator	SAE 30 API SF 2.5ltr	SAE 10W30 Motor Oil 1.3ltr	SAE 90 EP Gear Oil 1.00ltr		
Hydroject 3000/4000/3010	SAE 30 API SF 2.8ltr	ISO 68 4.7ltr			Water Pump: 1.2ltr ISO 150, PE-700A
Sand Pro 2000/3000/5000	SAE 30 API SF 2.5ltr	SAE 10W30 9.5ltr Or ISO VG 32/46			
Sand Pro 2020,3020,5000 & 5020	SAE 30 API SG 1.7ltr	ISO 46/68 11.4ltr Or ISO VG 32/46			
Multi Pro 1100/1200/1250	SAE 10W30 API SF or SG	Dexon III ATF	SAE 85W140		Differential SAE 85W140
Fairway Aerator			SAE 90 EP Gear Oil		
MultiCore Aerators ProCore Aerators / PC648					Gearbox: SAE 85W140
Workman 3300-D/4300-D 3200/4200	SAE 10W30	Dexon III ATF			Front Differential SAE 10W30
Workman 3100/3120/3130	SAE 10W30	Dexon III ATF			
Workman 2100/2110/1100 Twister	SAE 30 API SG 1.61ltr		SAE 10W30 Motor Oil 1.4ltr		Trans Axle: SAE 10W30
Top Dresser 2300 Serial- 20101 & up		SAE 10W30			
Top Dresser 2300 Serial 200000001 & up		Mobile 15M Biodegradable-Mobile 224H			
Line Painter	SAE30 API SF				

ISO Type 46/68	ISO Type 68	ISO Type 150	ISO Type VG 32/46	ISO Type VG 46/68
Mobile Fluid 424 Texaco TDH Shell Donax TD BP Oil BP HYD TF Castrol Agril Hydraulics Oils Plus	Mobile DTE 26 or DTE 16 Texaco Rando HD68 Shell Tellus 68 BP Oil Energol HLP68 Castrol Hyspin A WS 68	Mobile DTE EH (extra heavy) Shell Turbo 150 Standard Oil Energol HLP 150 Castrol Hyspin A WS 150	Mobil EAL 224 H Biodegradable Not to be used in systems Where reservoir is in the transaxle. Fluids in this group not compatible with those in other groups.	Mobile DTE 15M Texaco Rando HDZ46 Shell Tellus T 46 Castro I AWH 46