

PowerRake® 3
Scheduled Lubrication & Maintenance

SERVICE ITEM Perform at every indicated month or operating hour interval, whichever comes first.	SERVICE INTERVAL	PAGE REFERENCE	LUBRI- CANT
Check engine oil level	Each Use	Engine Manual	EO
Change engine oil	Every 100 hrs (initial 20 hrs)	Engine Manual	EO
Replace oil filter	Every 200 hrs (initial 20 hrs)	Engine Manual	
Check engine base (oil pan)	Every 500 hrs	Engine Manual	
Check air filter	Each Use	Engine Manual	
Clean air filter	Every 50 hrs	Engine Manual	
Replace air filter	Every 200 hrs	Engine Manual	
Clean/readjust spark plug	Every 200 hrs	Engine Manual	
Replace spark plug	Every 500 hrs	Engine Manual	
Clean and adjust carburetor	Every 500 hrs	Engine Manual	
Check/readjust valve clearance	Every 500 hrs	Engine Manual	
Clean fuel strainer	Every 200 hrs	Engine Manual	
Replace fuel lines	Every 1000 hrs or yearly	Engine Manual	
Check fuel level	Each Use	Engine Manual	
Inspect electrical wiring	Every 6 months		
Clean oil cooler core exterior	Every 3 months	C.20.1	
Check oil cooler hoses	Every year	C.20.1	
Check hydraulic oil level	Each use	C.20.1	HYDO
Change hyd. oil filter (return line)	Every year	C.20.1	
Change hyd. oil in reservoir	Every 2 years	C.20.2	HYDO
Check hydraulic hoses	Every year		
Check wheel lug nut tightness	Every 6 months	C.20.2	
Check grease level in drive hubs	Every month	C.20.3	MPGM
Grease drive motor seals	Every use	C.20.3	MPGM
Grease oscillating hitch tube	Every 3 months	C.20.4	MPGM
Grease cylinder ends	Every month	C.20.4	MPGM
Lubricate elevation tubes	Every month	C.20.4	EO

Definitions:	EO - Engine Crankcase Oil HYDO - Hydraulic Oil MPGM - Multipurpose type grease with molybdenum disulfide OGL - Open Gear Lubricant
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PowerRake® 3 Lubricant Specifications

Lubricant abbreviations used are in accordance with SAE J754a. Oil classifications are in accordance with SAE J183.

ENGINE OILS: Use engine oils with an API classifications of SF or SD. New machines are supplied with, and we recommend the use of, engine oil equivalent to SAE 10W30.

Refer to your engine manual for additional engine oil information and requirements.

HYDRAULIC OILS: (HYDO) Chevron Rykon Premium Oil MV, 4 gallons (15.14 L).

LUBRICATING GREASE: (MPGM) Use grease which contains 3-5% molybdenum disulfide for all grease points.

CAPACITIES

APPROXIMATE FLUID CAPACITIES:

System	Capacity
Engine crankcase	1.6 qt. US quarts (1.5 L)
Hydraulic tank	3.0 US gallons (11.4 L)
Fuel tank	4.3 US gallons (16.1 L)