2048HV, 2254HV & 2554HV SABRE GARDEN TRACTORS

TECHNICAL MANUAL

John Deere Worldwide Commercial and Consumer Equipment Division

TM1741 (1Jul98)



Sabre 2048HV Garden Tractor



Sabre 2254HV Garden Tractor



Sabre 2554HV Garden Tractor

This technical manual is written for an experienced technician and contains sections that are specifically for this product. It is a part of a total product support program.

The manual is organized so that all the information on a particular system is kept together. The order of grouping is as follows:

- · Table of Contents
- · General Diagnostic Information
- · Specifications
- · Electrical Wiring Harness Legend
- · Component Location
- · System Schematic
- · Wiring Harness
- · Troubleshooting Chart
- Theory of Operation
- · Diagnostics
- · Tests & Adjustments
- · Repair

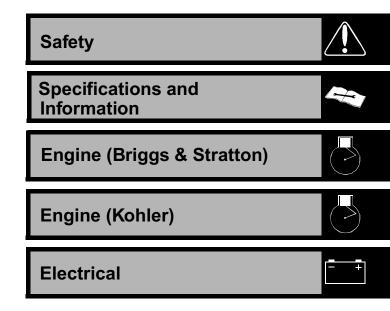
Note: Depending on the particular section or system being covered, not all of the above groups may be used.

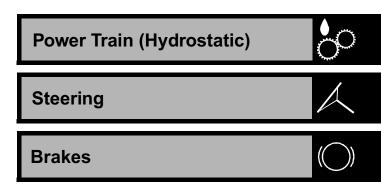
Each section will be identified with a symbol rather than a number. The groups and pages within a section will be consecutively numbered.

We appreciate your input on this manual. To help, there are postage paid post cards included at the back. If you find any errors or want to comment on the layout of the manual please fill out one of the cards and mail it back to us.

All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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John Deere Worldwide Commercial and
Consumer Equipment Division
Horicon, WI
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RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

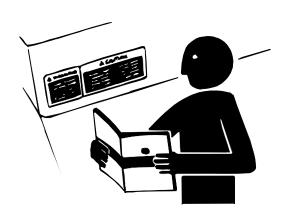
Follow recommended precautions and safe servicing practices.

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol.

- DANGER identifies the most serious hazards.
 Danger or Warning safety signs are located near specific hazards.
- CAUTION safety signs are used where general precautions should be used. CAUTION also calls attention to safety messages in this manual.

REPLACE SAFETY SIGNS

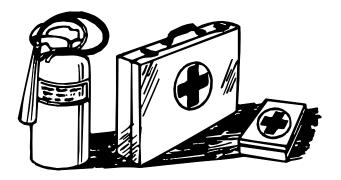


Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.

HANDLE FLUIDS SAFELY-AVOID FIRES

BE PREPARED FOR EMERGENCIES





When you work around fuel, do not smoke or work near heaters or other fire hazards.

Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

Do not store oily rags; they can ignite and burn spontaneously.

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.

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Thanks very much for your reading,

Want to get more information,

Please click here, Then get the complete
manual



NOTE:

If there is no response to click on the link above, please download the PDF document first, and then click on it.

Have any questions please write to me: admin@servicemanualperfect.com

USE CARE IN HANDLING AND SERVICING BATTERIES





PREVENT BATTERY EXPLOSIONS

- Keep sparks, lighted matches, and open flame away from the top of battery. Battery gas can explode.
- Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.
- Do not charge a frozen battery; it may explode.
 Warm battery to 16°C (60°F).

PREVENT ACID BURNS

 Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

· AVOID ACID BURNS BY:

- 1. Filling batteries in a well-ventilated area.
- 1. Wearing eye protection and rubber gloves.
- Avoiding breathing fumes when electrolyte is added.
- 1. Avoiding spilling or dripping electrolyte.
- 1. Use proper jump start procedure.

• IF YOU SPILL ACID ON YOURSELF:

- 1. Flush your skin with water.
- Apply baking soda or lime to help neutralize the acid
- 1. Flush your eyes with water for 10 15 minutes.
- 1. Get medical attention immediately.

• IF ACID IS SWALLOWED:

- 1. Drink large amounts of water or milk.
- Then drink milk of magnesia, beaten eggs, or vegetable oil.
- 1. Get medical attention immediately.

USE SAFE SERVICE PROCEDURES



WEAR PROTECTIVE CLOTHING



Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.

SERVICE MACHINES SAFELY



Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.

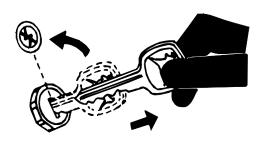
USE PROPER TOOLS

Use tools appropriate to the work. Makeshift tools and procedures can create safety hazards. Use power tools only to loosen threaded parts and fasteners. For loosening and tightening hardware, use the correct size tools. **DO NOT** use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches. Use only service parts meeting John Deere specifications.

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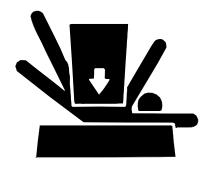


PARK MACHINE SAFELY



Before working on the machine:

- Be sure all equipment is resting firmly on the ground.
- 2. Stop the engine.
- 3. Disconnect the spark plug.
- Hang a "DO NOT OPERATE" tag in operator station.
- SUPPORT MACHINE PROPERLY AND USE PROPER LIFTING EQUIPMENT



If you must work on a lifted machine or attachment, securely support the machine or attachment.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load. Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.

Lifting heavy components incorrectly can cause severe injury or machine damage. Follow recommended procedure for removal and installation of components in the manual.

WORK IN A CLEAN AREA

Before starting a job:

- 1. Clean work area and machine.
- 2. Make sure you have all necessary tools to do your job
- 3. Have the right parts on hand.
- 4. Read all instructions thoroughly; do not attempt shortcuts.

USING HIGH PRESSURE WASHERS

Directing pressurized water at electronic/electrical components or connectors, bearings, hydraulic seals, fuel injection pumps or other sensitive parts and components may cause product malfunctions. Reduce pressure and spray at a 45 to 90 degree angle.

ILLUMINATE WORK AREA SAFELY

Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.

WORK IN VENTILATED AREA



Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

WARNING: California Proposition 65

Gasoline engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

REMOVE PAINT BEFORE WELDING OR HEATING

Avoid potentially toxic fumes and dust. Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch. Do all work outside or in a well ventilated area. Dispose of paint and solvent properly. Remove paint before welding or heating: If you sand or grind paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

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AVOID HARMFUL ASBESTOS DUST

Avoid breathing dust that may be generated when handling components containing asbestos fibers. Inhaled asbestos fibers may cause lung cancer.

Components in products that may contain asbestos fibers are brake pads, brake band and lining assemblies, clutch plates, and some gaskets. The asbestos used in these components is usually found in a resin or sealed in some way. Normal handling is not hazardous as long as airborne dust containing asbestos is not generated.

Avoid creating dust. Never use compressed air for cleaning. Avoid brushing or grinding material containing asbestos. When servicing, wear an approved respirator. A special vacuum cleaner is recommended to clean asbestos. If not available, apply a mist of oil or water on the material containing asbestos. Keep bystanders away from the area.

SERVICE TIRES SAFELY



Explosive separation of a tire and rim parts can cause serious injury or death.

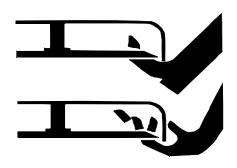
Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.

Check wheels for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.

AVOID INJURY FROM ROTATING BLADES, AUGERS AND PTO SHAFTS







Keep hands and feet away while machine is running. Shut off engine before starting service. Do not defeat safety systems to allow machine to operate unattended.

HANDLE CHEMICAL PRODUCTS SAFELY





Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

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Dispose of Waste Properly

Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries. Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them. Do not pour waste onto the ground, down a drain, or into any water source. Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.

LIVE WITH SAFETY



Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.

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GENERAL VEHICLE SPECIFICATIONS

ENGINE (2048HV)

	Make	
	Model Number	•
	Horsepower	
	Displacement	· ·
	•	570 cm² (34.7 cu m.
	Oil Capacity w/o oil filter	1.42 L (1.5 at
	w/oil filter	
	Cylinders	
	•	
	Stroke/Cycle	
	Lubrication	•
	Oil Filter	· ·
	Cooling System	
	Air Cleaner Dual Stage (Paper Element	•
	Muffler	Horizontal Discharge Below Frame
Ε	NGINE (2254HV)	
	Make	Briggs & Strattor
	Model Name	Vanguard V-Twir
	Model Number	No. 380777
	Horsepower	
	Displacement	
	Oil Capacity w/o oil filter	1 42 L (1 5 at
	w/ oil filter	1.54 L (1.63 qt
	Cylinders	
	Stroke/Cycle	
	Valves	
	Lubrication	
	Oil Filter	
	Cooling System	
	Air Cleaner Dual Stage (Paper Element	•
	Muffler	Horizontal Discharge Below Frame
Ε	NGINE (2554HV)	
	Engine	Kohle
	Model Number	
	Horsepower	
	Displacement	
	Oil Capacity	`
	w/o oil filter	
	w/ oil filter	
	Cylinders	
	Stroke/Cycle	
	Valves	
	Lubrication	
	Oil Filter	-
	Cooling System	-
	Air Cleaner	
	Muffler	
	IVIUIIICI	i ionzoniai Discharge Delow Ffaffit



FUEL SYSTEM
Aspiration
ELECTRICAL
Ignition
TRANSAXLE (HYDROSTATIC)
Drive Train
PTO DRIVE
Type
STEERING
Type Sector and Pinio
IMPLEMENT LIFT
Lift System
DIMENSIONS-MODEL NUMBER 2048HV
Overall Height 114.0 cm (44.9 in Overall Length 182.9 cm (72 in Vehicle Weight 259 kg (570 lb
DIMENSIONS-MODEL NUMBER 2254HV
Overall Height 115.7 cm (45.6 in Overall Length 183.6 cm (72.3 in Vehicle Weight 275 kg (606 lkg)
DIMENSIONS-MODEL NUMBER 2554HV
Overall Height 115.7 cm (45.6 in Overall Length 183.6 cm (72.3 in Vehicle Weight 275 kg (606 lk

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TIRES	
Size-Front-Model Number 2048HV	
Size-Front-Model Number 2254HV	
Size-Front-Model Number 2554HV	
Size-Rear-Model Number 2048HV	
Size-Rear-Model Number 2254HV	
Size-Rear-Model Number 2554HV	24 X 12
MOWER DECK (48-INCH)	
Blades	
Cutting Height-Approx	
Blade Length	42.3 cm (16.6 in.)
Cutting Width	121.9 cm (48 in.)
Overall Width	153.4 cm (60.375 in.)
Overall Width with Deflector Up	131.1 cm (51.625 in.)
MOWER DECK (54-INCH)	
Blades	
Cutting Height-Approx	
Blade Length	47.4 cm (18.7 in.)
Cutting Width	137.2 cm (54 in.)
Overall Width	168.6 cm (66.375 in.)

METRIC FASTENER TORQUE VALUES



(;	Property Class and Head Markings	4.8	8.8 9.8 8.8 9.8 8.8 9.8	10.9	12.9
(;	Property Class and Nut Markings		10		12 TS1163

	Class 4	1.8			Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubrica	bricated ^a Dry ^a Lubricated ^a Dry ^a		Lubricated ^a Dry ^a				Lubricated ^a		Dry ^a						
SIZE	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft	N•m	lb-ft
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	109
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these hand torque values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only and include a $\pm 10\%$ variance factor. Check tightness of fasteners periodically. DO NOT use air powered wrenches.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Fasteners should be replaced with the same class. Make sure fastener threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

When bolt and nut combination fasteners are used, torque values should be applied to the **NUT** instead of the bolt head.

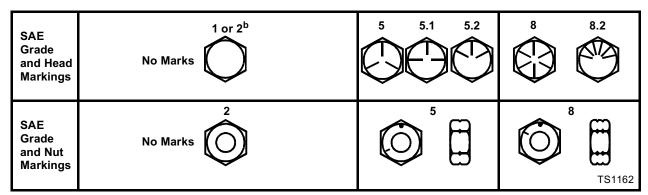
Tighten toothed or serrated-type lock nuts to the full torque value.

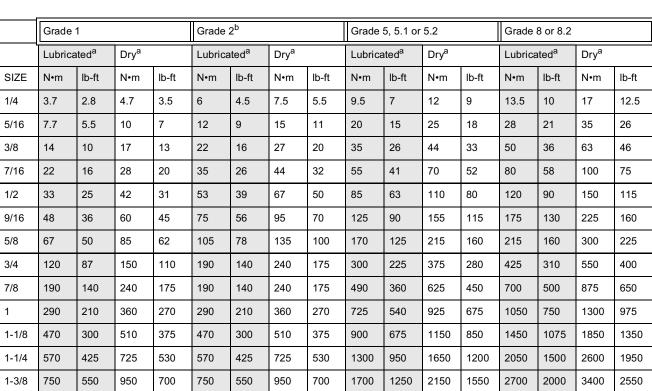
^a "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated (yellow dichromate - Specification JDS117) without any lubrication.

Reference: JDS-G200.

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INCH FASTENER TORQUE VALUES





DO NOT use these hand torque values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only and include a ±10% variance factor. Check tightness of fasteners periodically. DO NOT use air powered wrenches.

925

990

725

1250

930

2250

1650

2850

1-1/2

1000

725

1250

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Fasteners should be replaced with the same grade. Make sure fastener threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

When bolt and nut combination fasteners are used, torque values should be applied to the **NUT** instead of the bolt head.

Tighten toothed or serrated-type lock nuts to the full torque value.

3600

2650

4550

3350

2100

a "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated (yellow dichromate - Specification JDS117) without any lubrication.
b "Grade 2" applies for hex cap screws (not hex

b "Grade 2" applies for hex cap screws (not hex bolts) up to 152 mm (6-in.) long. "Grade 1" applies for hex cap screws over 152 mm (6-in.) long, and for all other types of bolts and screws of any length.

Reference: JDS-G200.



NO SMOKING

NO STATIC ELECTRIC

A CAUTION

NO HOT ENGINE

GASOLINE— NORTH AMERICA



Gasoline is HIGHLY FLAMMABLE, handle it with care.

DO NOT refuel machine while:

- · indoors, always fill gas tank outdoors;
- · machine is near an open flame or sparks;
- engine is running, STOP engine;
- · engine is hot, allow it to cool sufficiently first;
- · smoking.

Help prevent fires:

- · fill gas tank to bottom of filler neck only;
- · be sure fill cap is tight after fueling;
- · clean up any gas spills IMMEDIATELY;
- keep machine clean and in good repair–free of excess grease, oil, debris, and faulty or damaged parts;
- any storage of machines with gas left in tank should be in an area that is well ventilated to prevent possible igniting of fumes by an open flame or spark, this includes any appliance with a pilot light.

To prevent fire or explosion caused by STATIC ELECTRIC DISCHARGE during fueling:

• ONLY use a clean, approved POLYETHYLENE PLASTIC fuel container and funnel WITHOUT any metal screen or filter.

To avoid engine damage:

- DO NOT mix oil with gasoline;
- ONLY use clean, fresh unleaded gasoline with an octane rating (anti-knock index) of 87 or higher;
- fill gas tank at the end of each day's operation to help prevent condensation from forming inside a partially filled tank;
- keep up with specified service intervals.

Use of alternative oxygenated, gasohol blended, unleaded gasoline is acceptable as long as:

- the ethyl or grain alcohol blends DO NOT exceed 10% by volume or
- methyl tertiary butyl ether (MTBE) blends DO NOT exceed 15% by volume.



IMPORTANT: DO NOT use METHANOL gasoline because METHANOL is harmful to the environment and to your health.



STOP ENGINE

WARNING

<u>California Proposition 65 Warning:</u> Gasoline engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

GASOLINE STORAGE— NORTH AMERICA

IMPORTANT: Keep all dirt, scale, water or other foreign material out of gasoline.

Keep gasoline stored in a safe, protected area. Storage of gasoline in a clean, properly marked ("UNLEADED GASOLINE") POLYETHYLENE PLASTIC container WITHOUT any metal screen or filter is recommended. DO NOT use de-icers to attempt to remove water from gasoline or depend on fuel filters to remove water from gasoline. Use a water separator installed in the storage tank outlet. BE SURE to properly discard unstable or contaminated gasoline. When storing unit or gasoline, it is recommended that you add John Deere Gasoline Conditioner and Stabilizer (TY15977) or an equivalent to the gasoline. BE SURE to follow directions on container and to properly discard empty container.

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GASOLINE—EUROPE

A CAUTION

Gasoline is HIGHLY FLAMMABLE, handle it with care.

DO NOT refuel machine while:

- · indoors, always fill gas tank outdoors;
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- · be sure fill cap is tight after fueling;
- · clean up any gas spills IMMEDIATELY;
- · keep machine clean and in good repair-free of excess grease, oil, debris, and faulty or damaged parts;
- any storage of machines with gas left in tank should be in an area that is well ventilated to prevent possible igniting of fumes by an open flame or spark, this includes any appliance with a pilot light.

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To avoid engine damage:

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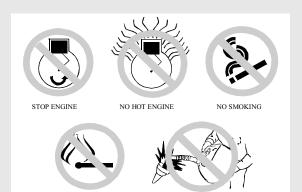


IMPORTANT: DO NOT use METHANOL gasoline because METHANOL is harmful to the environment and to your health.

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Keep gasoline stored in a safe, protected area. Storage of gasoline in a clean, properly marked ("UNLEADED GASOLINE") POLYETHYLENE PLASTIC container WITHOUT any metal screen or filter is recommended. DO NOT use de-icers to attempt to remove water from gasoline or depend on fuel filters to remove water from gasoline. Use a water separator installed in the storage tank outlet. BE SURE to properly discard unstable or contaminated gasoline. When storing unit or gasoline, it is recommended that you add John Deere Gasoline Conditioner and Stabilizer (TY15977) or an equivalent to the gasoline. BE SURE to follow directions on container and to properly discard empty container.



NO STATIC ELECTRIC DISCHARGE



ENGINE OIL—NORTH AMERICA

Use the appropriate oil viscosity based on the expected air temperature range during the period between recommended oil changes. Operating outside of these recommended oil air temperature ranges may cause premature engine failure.

The following John Deere oil is PREFERRED:

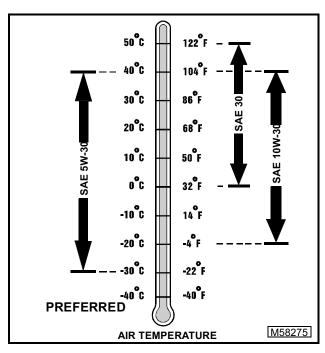
• TORQ-GARD SUPREME®—SAE 5W-30.

The following John Deere oils are **also recommended**, based on their specified temperature range:

- TURF-GARD®-SAE 10W-30:
- PLUS-4®-SAE 10W-30:
- TORQ-GARD SUPREME®—SAE 30.

Other oils may be used if above John Deere oils are not available, provided they meet one of the following specifications:

- SAE 5W-30—API Service Classification SG or higher;
- SAE 10W-30—API Service Classification SG or higher;
- SAE 30—API Service Classification SC or higher.



John Deere Dealers: You may want to cross-reference the following publications to recommend the proper oil for your customers:

- Module DX, ENOIL2 in JDS-G135;
- Section 530, Lubricants & Hydraulics, of the John Deere Merchandise Sales Guide;
- Lubrication Sales Manual PI7032.

ENGINE OIL—EUROPE

Use the appropriate oil viscosity based on their expected air temperature range during the period between recommended oil changes. Operating outside of these recommended oil air temperature ranges may cause premature engine failure.

The following John Deere oils are PREFERRED:

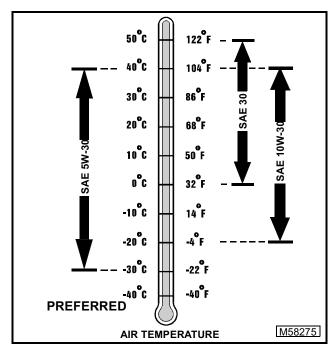
- TORQ-GARD SUPREME®—SAE 5W-30;
- UNI-GARD™—SAE 5W-30.

The following John Deere oils are **also recommended**, based on their specified temperature range:

- TORQ-GARD SUPREME®—SAE 10W-30;
- UNI-GARD™—SAE 10W-30;
- TORQ-GARD SUPREME®—SAE 30
- UNI-GARD™—SAE 30.

Other oils may be used if above John Deere oils are not available, provided they meet one of the following specifications:

• CCMC Specification G4 or higher.



John Deere Dealers: You may want to cross-reference the following publications to recommend the proper oil for your customers:

- Module DX, ENOIL2 in JDS-G135;
- Section 530, Lubricants & Hydraulics, of the John Deere Merchandise Sales Guide.

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ENGINE BREAK-IN OIL—NORTH AMERICA

IMPORTANT: ONLY use a quality break-in oil in rebuilt or remanufactured engines for the <u>first 5 hours (maximum) of operation</u>. DO NOT use oils with heavier viscosity weights than SAE 5W-30 or oils meeting specifications API SG or SH, these oils will not allow rebuilt or remanufactured engines to break-in properly.

The following John Deere oil is **PREFERRED**:

• BREAK-IN ENGINE OIL.

John Deere BREAK-IN ENGINE OIL is formulated with special additives for aluminum and cast iron type engines to allow the power cylinder components (pistons, rings, and liners as well) to "wear-in" while protecting other engine components, valve train and gears, from abnormal wear. Engine rebuild instructions should be followed closely to determine if special requirements are necessary.

John Deere BREAK-IN ENGINE OIL is also recommended for non-John Deere engines, both aluminum and cast iron types.

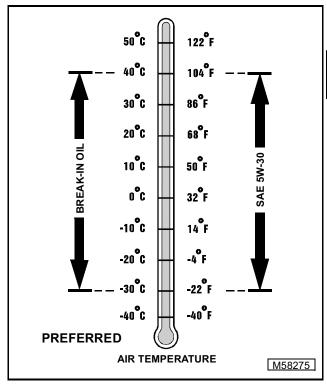
The following John Deere oil is **also recommended** as a break-in engine oil:

• TORQ-GARD SUPREME®—SAE 5W-30.

If the above recommended John Deere oils are not available, use a break-in engine oil meeting the following specification during the first 5 hours (maximum) of operation:

 SAE 5W-30—API Service Classification SE or higher.

IMPORTANT: After the break-in period, use the John Deere oil that is recommended for this engine.



John Deere Dealers: You may want to cross-reference the following publications to recommend the proper oil for your customers:

- Module DX, ENOIL4 in JDS-G135;
- Section 530, Lubricants & Hydraulics, of the John Deere Merchandise Sales Guide;
- Lubrication Sales Manual PI7032.

