

# GROUND FORCE

Performance *Cultivated* Through Technology

## GROUNDFORCE ATV

Semi-Synthetic 10W-40  
High Performance 4-Stroke Oil

Groundforce ATV is an advanced high performance semi-synthetic 4-stroke oil for use in the highly stressed engines of all terrain vehicles, generator sets and other ancillary equipment. It provides

superior film strength with high dispersancy and outstanding thermal stability to protect pistons, cam lobes and bearings operating under highly stressed conditions. Excellent shear resistance ensures that Groundforce ATV stays in grade for the full service period. Surface active additives reduce component wear and release more power to improve overall performance. Groundforce ATV does not contain friction modifiers and is therefore safe to use with wet clutches.

### APPLICATIONS

Groundforce ATV 10W-40 is recommended for use in all terrain vehicles, quad bikes, generator sets and other ancillary equipment.

### PERFORMANCE LEVELS

ACEA A3/B3 CCMC G5  
API SJ/SH/SG/SF JASO MA  
Approved and endorsed by the British Agricultural & Garden Machinery Association.



## GROUNDFORCE 2T

Universal 2-Stroke Oil  
for Premix & Injector Systems

Groundforce 2T has been developed to meet the requirements of small high revving air cooled 2-stroke engines in horticultural and agricultural equipment. The lubricating film is strong enough to prevent engine lock up in moments of temporary overheating and provides maximum film strength and anti-wear performance. Reduced smoke and clean burning characteristics mean that deposit formation in the ports and exhaust are virtually eliminated

### APPLICATIONS

Groundforce 2T is designed for use in the engines of 2-stroke powered equipment in tool and horticultural hire shops. This includes chain saws, abrasive disc cutters, angle grinders, chippers, shredders, hover mowers, scarifiers, weed cutters, trimmers and hedge cutters. Always use engine manufacturers mixture recommendations.

### PERFORMANCE LEVELS

API TC + JASO FB. Approved and endorsed by the British Agricultural & Garden Machinery Association.



## GROUNDFORCE

### CROMA 30

Chain Saw Cutter Bar Oil

Groundforce Croma 30 Cutter Bar Oil is designed to meet all lumber industry, forestry, woodyard and estate management requirements. Provides excellent corrosion protection and improved chain performance in a wide range of climatic conditions.

The specially treated base fluids used in the formulation:

- Reduce wear on cutter bar chain and sprockets
- Reduce build up of messy foam
- Resist tendency to fling from fast moving parts
- Allow use in sub zero temperatures
- Provide excellent corrosion protection

### APPLICATIONS

Groundforce Croma 30 is recommended for use in all chain lubrication systems and should be used in accordance to manufacturer's recommendations. Where biodegradable oils are required or desirable, CROMA VG should be selected. Groundforce Croma 30 is approved and endorsed by the British Agricultural & Garden Machinery Association.



[www.morrislubricants.co.uk](http://www.morrislubricants.co.uk)



### GROUNDFORCE 2HSS

Semi-Synthetic 2-Stroke Engine Oil  
for Premix & Injector Systems

Groundforce 2HSS is a top quality synthetic boosted 2-stroke oil, utilising the latest performance additive technology, for protection and performance. Provides maximum film strength and anti-wear characteristics for

prolonging engine life. Groundforce 2HSS is a low smoke, clean burning lubricant and reduces the need for maintenance on ports and exhausts. Provides all season reliability for modern 2-stroke engines when used in horticultural or plant equipment. This lubricant has been developed to meet the need for a specialised product for horticultural contractors and hired equipment where a certain amount of severe treatment has to be catered for and where adherence to mixture ratios cannot be guaranteed.

#### APPLICATIONS

Groundforce 2HSS has been formulated for use in the engines of all 2-stroke powered horticultural equipment. This includes mowers, chain saws, chippers, shredders, scarifiers, weed cutters, strimmers and hedge cutters. Can also be used in other air-cooled engines powering abrasive disc cutters, angle grinders and general 2-stroke hire equipment. For premix the mixing process and ratios should be as detailed in the manufacturers handbook. Can also be used via a direct injection system.

#### PERFORMANCE LEVELS

JASO FC API TC + ISO – EGD

Approved and endorsed by the British Agricultural & Garden Machinery Association.



### GROUNDFORCE

SAE 30  
Premium Engine Oil

Groundforce SAE 30 is a low ash lubricant designed for use in older horticultural equipment powered by petrol and diesel engines where monograde oils are recommended. The oil is blended

from solvent refined base stocks and performance additives to control varnish, soot, dispersancy, low temperature sludge, oxidation, rust and corrosion. Groundforce SAE 30 is particularly suitable where machinery has to be laid up between seasons or for plant that is only used intermittently. It prevents internal deterioration caused by damp atmospheres and the extremes of temperatures.

#### APPLICATIONS

For use in older diesel and petrol engines in horticultural equipment where an oil to API SF / CC quality is required. Groundforce SAE 30 is approved and endorsed by the British Agricultural & Garden Machinery Association.



### GROUNDFORCE

10W-40  
Multigrade Engine Oil

Groundforce SAE 10W-40 is designed to cope with the difficult conditions found in 4-stroke diesel and petrol engines fitted to horticultural, garden machinery and stationary equipment where multigrade

oils are recommended. The oil is blended from solvent refined base stocks and performance additives to control varnish, soot dispersancy, low temperature sludge, oxidation, rust and corrosion. Groundforce SAE 10W-40 is recommended for all year use.

#### APPLICATIONS

Groundforce SAE 10W-40 is designed for use in all horticultural 4-stroke engines, both diesel and petrol where an oil of this quality is required.



YOUR DEALER/DISTRIBUTOR:



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All the products are reflective of the latest specifications at the time of going to press and are part of a continuous development programme. The company reserves the right to change formulation and specification, without prior notice to meet the latest trends and developments in lubricant and grease technology. For more detailed information on any product and confirmation of the latest specifications contact our Technical Services Department. Full product data sheets and health and safety information is available on request.