



Peak Oil

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TECHNICAL DATA

Plantmaster Multifunctional Agricultural Lubricant



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Plantmaster

Multifunctional Agricultural Lubricant

The advanced lubrication characteristics and superior technology have made possible the realisation of a single lubricant, having the multi-functional capability to accommodate virtually all requirements of off highway equipment, particularly the functions of modern agricultural tractors and farm machinery.

Its sophisticated additive system was developed to protect a variety of operations in the severe off highway environment, offering exceptional performance in Euro II and Euro III heavy duty diesel engines.

In addition to the benefits of performance, the SAE 10W/30 multigrade viscosity gives exceptional cold start capability during winter conditions. Combines a range of complex friction modifiers and balanced mild EP additives to provide outstanding lubrication on gearboxes, transmissions, including independent power take-off clutches, and oil immersed wet brakes and final drives requiring a conventional SAE 80W grade of API GL4 performance.

Excellent compatibility with the various hydraulic systems incorporated in plant equipment. Provides outstanding anti-wear and corrosion protection.

Performance Benefits

- ◆ *SAE 10W/30 viscosity providing optimum performance in both summer and winter. Allowing good cold starting characteristics, coupled with excellent lubrication at maximum operating temperatures*
- ◆ *Incorporating highly effective friction modifying properties to ensure smooth and efficient functioning of transmission and eliminating chatter from wet brake systems*
- ◆ *Simplifies maintenance and servicing by providing one single lubricant to cover most requirements for off-highway equipment thereby reducing inventory cost*
- ◆ *Reducing operating costs by providing cleaner and more efficient engines, coupled with a reduction of wear therefore providing longer engine life*
- ◆ *Provides high standards of performance together with good fluidity at low temperatures for accurate and reliable hydraulic pump and compressor operations*



Typical Physical Characteristics

Characteristic	Plantmaster
Specific Gravity @ 15°C	0.885
Kinematic Viscosity @ 40°C (cSt)	67.88
Kinematic Viscosity @ 100°C (cSt)	10.44
Viscosity Index	140
Closed Flash Point °C	215

Health and Safety

The product is mineral oil based and should be handled according to good standards of industrial hygiene. Further detailed information please is available on request.

Storage

Drums should be stored on their sides in a clean dry place and protected from extremes of temperature, store >5°C.



Batoyle Freedom Group

Lubricants of Excellence

Performance Specification

<i>Universal:</i>	Ford Massey Ferguson John Deere FNH Material Specifications New Holland	M2C 159B M 1144, M1139 JDM J27 82009201/2/3 NH 030C, NH 024C
<i>Engines:</i>	American Petroleum Institute US Military Specification ACEA Daimler Benz	API CG-4 / CF-4 / CF / CE / SF MIL-L-2104D E3 MB 227.1/228.1
<i>Transmission:</i>	API US Military Specification Ford New Holland Massey Ferguson J I Case General Motors Caterpillar John Deere ZF	GL4 (Low speed - high torque) MIL-L-2105 M2C-134D, M2C-86A NH-410B / 420A MF 1135 / 1143 / 1145 MS 1207 Allison C4 TO-2 J20C TE-ML-06/07
Off Highway/C.P.O. Applications:		
<i>Hydraulics</i>		Vickers Pump Test Denison HF-O Sauer Sundstrand
<i>Compressor Oxidation Stability:</i>		Atlas Copco Holman Compair Hydrovane

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