

**DESCRIPTION:**

Liquid Intelligents 221 Engine Oil Additive. Designed for use in all four-stroke engines, compressors and oil lubricated equipment. Compatible with all types of fuels eg; diesel, petrol, LPG, CNG. Cleans and prevents corrosion, reduces oil consumption. Extends the life and enhances performance of ordinary engine lubricants.

Application Ratio: 50 ml per litre (5%) for newer motors.

Application Ratio: 100 ml per litre (10%) for older motors.

CHARACTERISTICS**New High Viscosity Index (H.V.I.) Synthetic Polymers**

Liquid Intelligents 221's High Viscosity Index synthetic polymers stabilise oil viscosity over a wide range of temperatures improving cold starts and preventing oil from thinning at elevated temperatures.

Reduced Friction

Liquid Intelligents 221 reduces the engine's internal friction increasing its rev range and power while decreasing fuel consumption. 221's Additives bond to metal surfaces when the engine is not in use providing immediate lubrication at first start up, extending machinery life.

Detergency Modifiers

221 Uses non-metallic ashless type detergents. These metal free detergents maintain cleanliness in the ring zone eliminating damage to pistons, valves, tappets, lifters and freeing sticking rings.

Dispersants

Specially selected dispersants keep metallic wear residues in suspension to be collected in the filter. 221's Dispersants dissolve accumulated combustion by-product residues, which can bake on engine parts forming a varnish type coating.

Oxidation Inhibitors

Liquid Intelligents 221's advanced anti oxidants, inhibitors and metal deactivators neutralises harmful combustion by-products preventing corrosion and extending lubricant and engine life.

Suitable for Old and New Vehicle Fleets

Liquid Intelligents 221 prevents the formation of carbon and tars while lubricating in all areas. These abilities prevent ring sticking from occurring and free up rings in dirty motors. Liquid Intelligents 221 is a valuable tool in new or old vehicle fleets.

In new vehicle fleets, 221 will keep machinery in original condition. Through oil analysis, oil change intervals can be set at maximum distance with minimum down time.

In older vehicles, 221 cleans by gently dissolving gum, tar and varnish, restoring working capacity to engines clogged with combustion residues. This cleaning action in mechanically sound motors prevents engine wear and oil burning caused by improper maintenance.

SERVICE BULLETIN

Important Note:

When using Liquid Intelligents 221 engine oil additive in dirty motors, Oil change interval may be shortened while engine is cleaning. Three methods to determine when oil should be changed are,

1. Badly Discoloured Oil.
2. Through Oil Analysis.
3. Kilometres Travelled.

No.1. If after applying 221 the engine oil becomes black before distance or time, change oil immediately and reapply 221 to avoid redepositing the dissolved sludge through out the motor.

HOW TO APPLY:

Best results are achieved by adding Liquid Intelligents 221 flushing lubricant to the old engine oil before changing to further assist with cleaning the motor.

Drain well, then renew filter and oil. Apply Liquid Intelligents 221 oil additive to the new oil. Reapply 221 with every oil change for maximum performance and anti-wear protection.

Application Ratio:

In Newer Engines 5% by Volume (For Fuel saving and anti-wear.)
250 ml to 5 Litres

In Older Motors 10% by Volume (To reduce Oil Consumption and prevent further wear.)
500 ml to 5 Litres

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