



Superior Irrigation Pump Oil

- *Designed specially for turbine pumps, water wheels & irrigation systems.*
- *Positively will not foam – gives high resistance to oxidation & rust.*
- *Enables extended equipment operation without close supervision.*

TRUST Save Money
OMEGA Enhance Performance
TO Extend Service Life



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SPECIAL FEATURES

Omega 601 Superior Irrigation Pump Oil is the high-strength oil developed for drip-lubrication of water-pumping systems.

- **Omega 601** is quality engineered specifically for use in turbine pumps, water wheels & irrigation systems.
- **Omega 601** has superior additives to prevent foaming – ensure a high level of resistance to oxidation & rust.
- **Omega 601** enhanced lubricity enables extended operation of equipment without close supervision.

OUTSTANDING PROPERTIES

Omega 601 is the superior irrigation pump oil that:

- Is made from only the finest paraffinic base oils for uncompromising quality.
- Provides fast water separation – prevents oil from emulsifying.
- Has high viscosity index to prevent thinning in hot weather or thickening in cold weather.
- Resists chemical attack and provides long-term protection even in heavily polluted conditions.

USE FOR

Omega 601 is a stable, viscous, fine film and high-strength lubricant developed for maximum lubrication protection of turbine pumps, water wheels and irrigation systems. **Omega 601** is made with the finest base oils and blended for long-term reliability.

Use **Omega 601** in water-pumping systems.



Omega

The Ultimate Lubricant

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The Ultimate Lubricant

601

DESCRIPTION:

Omega 601 is a stable, viscous, fine film and high strength lubricant developed for maximum lubrication protection of turbine pumps, water wheels and irrigation systems. It is made with the finest base oils and blended for long term reliability.

RESISTS RUST AND CORROSION:

Omega 601 contains a specially developed rust inhibitor with metallic ions. This forms a self-lubricating 'skin' over the bearings, whilst filling in any surface discrepancies. Omega 601 also contains anti-oxidants to positively resist corrosion. This combination of supplements ensures a longer life for the equipment.

SUPERIOR LUBRICITY:

Omega 601 has such a high degree of lubricity that after the initial application, the potential wear components become self-lubricating. This means that equipment can be left to run for many hours without the need for constant checking. Omega 601 also forms a hydrodynamic 'wedge' between friction prone areas, thereby reducing unnecessary drag and wear on the equipment.

ANTI-FOAMING:

Any aeration in turbine, water and irrigation equipment causes oxidation and cavitation. Omega 601 has special anti-foam qualities that positively resist aeration and therefore prevent oxidation and cavitation.

CHEMICAL RESISTANCE:

Omega 601 is resistant to chemical attack and provides long-term equipment protection even in heavily-polluted conditions. Its ability to seal out contaminants is exceptional. Special minute quantities of buffering agents are incorporated to ensure chemical neutralization.

RAPID WATER SEPARATION:

The water or water vapour present when using turbine, water and irrigation systems equipment, often combines with the grease. The grease then carries it into the system, where it can form cancerous internal rusting. Omega 601, however, contains neofilms which form a polarizing action that separates the water from the oil BEFORE it penetrates the system. This ensures that the equipment remains water and condensation-free and that oxidation and corrosion are unable to gain a foothold.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		SAE 10	SAE 30
ISO Viscosity Grade	D-2422	32	100
Appearance	Visual	Clear to Pale Yellow	Clear Amber
Density, Kg/L @ 15°C	D-1298	0.867	0.872
Viscosity, cSt @ 40°C	D-445	32	100
Viscosity, cSt @ 100°C	D-445	5.4	11.3
Viscosity Index	D-2270	107	100
Flash Point, COC, °C	D-92	216	261
Pour Point, °C	D-97	-21	-27
Aniline Point, °C	D-611	116	111
Foaming Characteristics -			
All Sequences, After Settling	D-892	Nil	Nil
Rust-Preventing Characteristics	D-665	Pass	Pass
Demulsibility -			
Oil/Water/Emulsion	D-1401	40/40/0@6min.	

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.