



METALON DOWNHOLE TOOL OIL

A METALON/Synthetic Blend

INFORMATION and ASTM/ENGINEERING DATA

METALON/SYN DOWN HOLE TOOL OIL provides the ultimate solution to the many obstacles confronting Downhole Tool Operations. Often times these depths exceed more than 5000 feet.

The **DRILLING TOOLS**, which vary in “diameter”, are subjected to tremendous pressure and friction causing very high temperatures. These very same factors adversely affect the bearings and races in the TOOL assembly. When this occurs, much time and increased costs are incurred.

METALON PRODUCTS delivers the practical solution.

METALON/SYN DOWNHOLE TOOL OIL, is a formulation composed of the propriety **METALON M** and a high quality Synthetic Oil. This unique blend provides many benefits. The **METALON** in **METALON M** creates a monomolecular, friction and heat reducing, wear-resistant shield that instantly bonds *chemically* with all ferrous and nonferrous metal surfaces, that **will not drain off**. This applies to all the metal components including the bearings and the races increasing their efficiency. The inherent quality of heat reduction of **METALON**, helps to preserve the integrity of the quality Synthetic Oil in this unique, cost-effective blend.

INSPECTION DATA:

(According to ASTM Specifications)

<u>DESCRIPTION</u>	<u>ASTM METHOD</u>	<u>TEST RESULTS</u>
Specific Gravity	D-1298	28.74
Colour	D-1500	Amber
Flash Point °F (°C) (Open Cup)	D-92	474 (245)
Pour Point °F (°C)	D-97	-26 (-31)
Viscosity, SUS @ 100 °F (40 °C)	D-445	2174 (414 cSt)
@ 210 °F (100 °C)	D-445	190 (39 cSt)
Viscosity Index	D-2270	137
Rust Test (Synthetic Sea Water)	D665	1a – Pass
Corrosion Test, Copper Strip	D-130	No Corrosion
TIMKIN OK LOAD	D-2782	> 60 lbs.
FALEX FINAL TORQUE @4500 lb. Jaw Load	D2271	< 60 in. lbs.

NOTE: The information and data presented herein are based on tests, reports and research we believe to be accurate and reliable. The information and data are provided without warranty, guarantee or liability on our part and are therefore, provided to customers for their own investigation, verification and consideration.

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