



## Raysun Sarin

### High performance multi-functional STOU lubricant for farm equipment

Raysun Sarin series are multifunctional tractor lubricants designed for use in a wide variety of modern farm equipment. These oils are blended from specially selected base stocks and advanced additive package to provide reliable performance in wide range of farming applications. These high performance Raysun Sarin oils are suitable for use in diesel/gasoline engines, conventional gear drives, powershift transmissions, hydrostatic transmissions, hydraulics, final drives, power steering systems and oil immersed brakes operating in agricultural services. These oils are available in SAE 10W-30, 10W-40, 15W-30, 15W-40, 20W-40 and 20W-50 grades to enable the users to select an appropriate viscosity grade as recommended by farm equipment manufacturers for optimum performance.

#### Advantages

- Multifunctional capability of these oils makes them suitable for most lubricant applications in farm equipment and reduces inventory and chances of misapplication
- Good thermo-oxidative stability and effective detergency/dispersancy controls sludge build-up and deposits leading to cleaner engines
- Protects gears, transmissions and bearings against wear, scuffing and pitting
- Ensures smooth (jerk free) hydraulic operation
- Excellent anticorrosion property protects all working components
- Good low temperature property ensures less wear and improved hydraulic response at cold start-up

#### Applications

- Suitable for most of the diesel/gasoline engines and transmission/hydraulic systems of tractors and other farm equipment
- Also suitable for other applications of farm equipment including oil immersed brakes, powershift transmissions, hydrostatic transmissions, power steering systems and conventional gear drives

#### Specifications

- John Deere J20C, 20D, Ford M2C86B,C, Ford M2C134D, J.I Case/Case Int: MS-1204,6,7,9, CNH MAT 3525, 3526, Massey Ferguson M 1135, M 1143, M 1145, Caterpillar TO-2, API GL-4, Allison C-4
- ZF TE-ML 06A, ZF TE-ML 06B (inc.06C,07B), Ford M2C159B,C, Ford New Holland 82009201,2,3, Massey Ferguson M 1139, M 1144, John Deere: J27
- APICG-4, API CF-4, CF, CE/SF, API CD/SE, MB 227.1, MB 228.1 (in part synthetic), ACEA E3
- Sperry Vickers/Eaton: M2950S, I-280-S, Saue Sunstand/Danfoss: Hydrosttic Trans Fluid



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ISO Viscosity Grades						ASTM Method	Specification
20W-50	20W-40	15W-40	15W-30	10W-40	10W-30		
0.899	0.896	0.886	0.888	0.876	0.882	D 1298	Density @ 15°C, kg/l
17.1	14.6	14.5	10.9	14.1	10.5	D 445	Viscosity @ 100°C, cSt.
123	116	138	125	150	139	D 2270	Viscosity Index
242	236	232	226	230	220	D 92	Flash Point, °C
-27	-30	-33	-33	-36	-36	D 97	Pour Point, °C
10.6	9.5	9.5	9.5	9.5	9.5	D 2896	TBN, mg KOH/g

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."