



## Product Bulletin

# PRISCO® HO Series Hydraulic Circulating Oil



**PRISCO** supplies oils and lubricants exclusively to the printing industry. All of our lubricants meet or exceed the most stringent press manufacturers' specifications.

**PRISCO HO Series Oils** are premium circulating oils formulated from the finest Exxon/Mobil base oils fortified with special additives for maximum effectiveness. **PRISCO HO Series Oils** are formulated for longer service life and to provide maximum protection to all sliding surfaces.

### Advantages:

- Maximum oxidation, rust and foaming protection
- Excellent film and boundary protection for longer parts life
- Contains ZDDP additive, a superior zinc compound anti-wear additive
- Less friction yields energy savings resulting in lower operating costs
- **PRISCO** provides one source shopping for all lubrication needs

### Specifications:

ISO Viscosity Grade		32	46	68	100	150
ASTM Viscosity Grade		150	215	315	-	-
AGMA Number		-	1	2	3	4
Gravity	AP1	33.2	30.7	30.4	29.4	28.5
	Specific	0.859	0.872	0.874	0.879	0.884
Viscosity	cST at 40° C	30.1	42.9	63.7	105.0	157.5
	cST at 100° C	5.4	6.6	8.7	12.1	15.7
	SSU at 100° F	154.5	222	329	546	825
	SSU at 210 °F	44.3	48.3	55.5	68.1	82.6
Viscosity Index		112	105	108	106	102
Pour Point	° C	-18	-18	-18	-15	-15
	° F	0	0	0	5	5

ISO Viscosity Grade	32	46	68	100	150
ASTM Viscosity Grade	150	215	315	-	-
Flash Point ° C	210	224	235	266	271
° F	410	435	455	510	520
Neutralization #	0.05	0.08	0.08	0.08	0.08

### **Additional Performance Tests**

Rotary Bomb ASTM d-2272	520
Turbine Oil Oxidation ASTM D-943	2700+
Acid Number, New Oil ASTM D-974	.15
Sludge and Metal Corr. (MIL-L-17672C) (ASTM D-943)	
NNA	0.2
Insoluble Sludge, mg	37
Total Copper, mg	0.54
Total Iron, mg	0.96
Thermal Stability (168th, 275 °F)	
Sludge, mg/100 ml	7
Condition of Copper Rod	2
Condition of Steel Rod	1
Turbine Oil Rust Test (ASTM D-665A/B)	P/P
Turbine Oil Demulsibility 13° F (ASTM D-1401)	40-40-0

**PRISCO HO Series Oils** meet or exceed the following industrial specifications:

Denison Standard HF-1  
Cincinnati Milacron P-38, P-45, P-54, P-55, P-57  
DIN 51524 Part 1  
US Steel Requirement 126  
MIL-L-17672C  
Afnor E-48600 HH/HL

### **READ MSDS BEFORE USING THIS PRODUCT**

**Packaging:** 1-Gallon (3.785 Liter) can    6-Gallon (22.7 Liter) pail    30-Gallon (113.6 Liter) drum  
55-Gallon (208 Liter) drum

08/07

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