



Tech Bulletin

Product Description

Altra FR 200 WG is a clear red fluid water glycol that is used in a wide variety of industrial hydraulic systems. It is carefully formulated with antiwear additives, corrosion inhibitors and antifreeze additives.

It offers fire protection under the most severe hazard conditions and is approved by Factory Mutual Corporation.

Altra FR 200 WG will perform in a variety of hydraulic pumps within rated conditions:

- Vickers Vane Pumps
- Tyrone Gear Pumps with flooded intake
- Racine Vane Pumps with sleeve bearings
- Denison Vane Pumps
- Denison Piston Pumps
- DeLaval Imo Screw Pumps

Typical Characteristics

<u>Properties</u>	<u>ASTM</u>	<u>FR200WG</u>
Viscosity, cST @ 40o C	D-445	43
Viscosity Index	Calculated	185
Flash Point, oF	D-92	None
Fire Point, oF	D-92	None
Pour Point, oF	D-97	-30
Specific Gravity	D-287	1.08
Density, pounds/gallon	Calculated	9.0
pH	D-70	9.5
Color	Visual	Red
Spray Flammability Factory Mutual Labs	FM	Pass
Pump Test, ASTM	D-2882	Pass

Procedure for Determining and Maintaining Water Content of *Altra FR 200 WG* with a Refractometer.

Refractive Index as Degrees Brix vs. Water Addition
for
Altra FR 200 WG

<u><i>Water Make-Up</i></u>	<u><i>Refractive Index FR 200 WG</i></u>
None	43.75 - 46.00
5	46.00 - 47.25
10	47.25 - 48.75
15	48.75 - 50.50
20	50.50 - 52.50

Gallons of water added to each 100 gallons of *ALTRA FR 200 WG*.

Use only distilled or deionized water.

Add one gallon of Altra Ad 6000 per 25 gallons of water used.