

AGIP SIMBLUM



AGIP SIMBLUM quenching oils are formulated from paraffinic base stocks blended to satisfy all practical use requirements. The different flow characteristics and diverse additive packages of the various grades enable a reasoned choice to be made on the basis of heat transfer requirements. Grades with the suffix L are washable. Grades with the suffix A are fast-quenching oils.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP SIMBLUM		2/A	3	3/A	3/L	5/A	26/A
Viscosity at 40°C	mm ² /s	3,8	5,1	5,9	5,2	8,5	26,6
Viscosity at 100°C	mm ² /s	17	30	34	30,5	62	360
Flash Point COC	°C	200	210	210	210	220	250
Pour Point	°C	-12	-12	-9	-6	-12	-9
Mass density at 15°C	kg/l	0,850	0,870	0,870	0,880	0,880	0,890

PROPERTIES AND PERFORMANCE

- AGIP SIMBLUM are additive-treated to guarantee good quenching performance to suit treatment requirements.
- All grades have a well-balanced composition to ensure a high flash point - an important feature to lessen the fire hazard - and excellent resistance to oxidation, decarbonization and sludge formation.

APPLICATIONS

AGIP SIMBLUM 3 is used for hardening alloy steel or large carbon steel components when cracking and distortion must be avoided.

AGIP SIMBLUM 2/A, 3/A, 5/A and 26/A are used in those particular cases when an even faster quenching rate is needed.

AGIP SIMBLUM 3/L is used for hardening alloy steel or large carbon steel components when cracking and distortion must be avoided and when washability is required.

"L" grades may be removed from hardened parts by spraying or by dipping in water. This property is particularly useful when it is necessary to eliminate an oily residue from the hardened parts so as to stop formation of carbon residues which are difficult to remove. The water temperature should be 50 - 60 °C when a very clean finish is required.