

POT 1210

Viscosity Index Impower (Yellow)



When Quality Matters...



POT 1210-VISCOSITY INDEX IMPROVER (YELLOW)

Application:

POT 1210 is an oil concentrate of an olefinic copolymer and is recommended primarily as a Viscosity Index Improver for crankcase lubricants having various **SAE** grades particularly where excellent shear stability is desired.

As applies to all viscosity index improvers, there is some loss in viscosity and in viscosity index due to the shear forces encountered in engine operation. In this respect, **POT 1210** exhibits outstanding characteristics as evidenced by an average viscosity loss of 7 % @ **100oC for SAE 15W-50** crankcase oils in over the road service.

In laboratory Caterpillar diesel engine Engine tests, **POT 1210** would be expected to perform at least comparable to the poly iso butylene type V.I. Improvers and superior to the polymeric ester types in regard to piston cleanliness.

Being an all hydrocarbon material, POT 1210 behaves in the same manner as the base oil component in MS Sequence engine tests. Multigrades viscosity oils containing POT 1210 have tendency for lower Octane Requirements Increase (ORI) than other V.I. Improvers.

Properties

Typical Values

Viscosity @ 100° c., cSt., min.	1800-2200
Flash Point, °C., min.	200
Density. gm/cc@15° c.	0.875
%Shear loss in DIN 51382 (30 passes) (@5%w/w in 20w-40 formulation)	<2.0
Shear Stability Index, max (10 % w/w POT 1210 in SN500 base oil)	7
Shear Stability Index, max (10 % w/w POT 1210 in SN500 base oil)	36
Thickening in SN500 base oil @ 5% treat level @ 100o c, min.	4.5
Viscosity Index Boost @ 5 % w/w	15 units in 20w-40 grade formulation

NOTE : VII Boost depends on base oil quality and dosage of VII in formulation.

PACKAGE, STORAGE AND TRANSPORTATION :

The product should be packed, marked, stored, transported and accepted on delivery. It is nonflammable, inexplosive and incorrosive. When storage, transportation, and blending, the highest temperature should not exceed 60°. The ambient temperature should not exceed 50°C for long-term storage. Protective articles should be used. Do not contact skin.