

ASPEN BIO CHAIN OIL

Huile pour chaîne de scie
et guide de tronçonneuse



 **ASPEN®**
FUEL FOR PROFESSIONALS

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L'huile de chaîne Aspen Bio est une huile de chaîne de scie végétale unique et de haute qualité qui convient à tous les types de chaînes et de barres de tronçonneuses.

Grâce à la composition unique de l'huile et des additifs, elle a d'excellentes propriétés anti-oxydantes et résiste à des temps d'arrêt prolongés, sans incidence négative sur la pompe ni la chaîne.

Aspen Biodégradable Chain Oil a d'excellentes caractéristiques d'adhérence, de lubrification et de fonctionnalité, même dans des conditions extrêmes.

Résiste à des températures jusqu'à -32 °C.
Facilement biodégradable (OECD 301D).



Domaines d'utilisation Unités

Disponible en conditionnements de 1, 4, 20 et 208 litres.



Information produit

- Excellentes propriétés antioxydantes
- Viscosité optimale pour le domaine d'application
- Bonne capacité d'adhérence
- Jusqu'à 95% de composants renouvelables
- Facilement biodégradable

Caractéristiques typiques

Spécifications	Unité	Méthode de test	Résultats
Densité à 15 °C	kg/m3	ISO 12185	920-940
Viscosité cinématique à 40 °C (ISO VG)	mm2/s	ISO 3104	68
Point d'écoulement	°C	ISO 3016	< -30
Point d'éclair, COC	°C	ISO 2592	> 260
Biodégradabilité (en 28 jours)	%	OECD 301D	> 60

Ordinary petrol is produced during the crude oil refinement process, in which various fractions are processed in different ways and then combined. Petrol is therefore not homogeneous, but a mixture of several substances. Ordinary petrol purchased at petrol stations contains around one hundred different substances, all with different impacts on performance, health and the environment. Many components are extremely hazardous and toxic to humans and our environment. Alkylate is produced synthetically from the pure gases that are released when crude oil is refined. The result is a very clean petrol, which consists of around ten of the least harmful substances, and is therefore virtually free from hazardous constituent components such as benzene, aromatics, sulphur and olefins.



Environment + plastic container = true

All plastic packaging is manufactured from HDPE (high density polyethylene). Polyethylene plastic can be recycled both in terms of materials and for energy. Plastic packaging for Aspen's petrol products is UN approved – i.e. type approved for the storage and transport of hazardous goods.

Product information

	Aspen 10% Renewable*	Aspen**	EN228***	Comment
Octane rating RON	94	94	95	Knocking resistance at low engine speed.
Octane rating MON	92	92	85	Knocking resistance at high engine speed.
Vapour pressure (kPa)	55-65	55-65	45-95	High vapour pressure produces more petrol fumes and operating problems in heat. Local deviations may occur.
Sulphur (ppm)	<3	<3	<10	Very harmful for the environment and health. Contributes to the acidification of lakes, for example.
Aromatic hydrocarbon content (vol %)	<0,5	<0,5	<35	Very harmful for the environment and health. May cause nerve damage, headaches, fatigue and nausea.
Benzene content (vol%)	<0,03	<0,03	<1	Benzene is the most dangerous aromatic hydrocarbon in petrol. May cause blood cancer (leukaemia).
Olefin content (vol %)	<0,3	<0,3	<18	It is harmful for the environment and health, causes operational problems and impairs shelf-life.
Ethanol (vol %)	0	0	<10	Attracts moisture which may lead to engine failures.
Oxidation stability (min)	>11340	11340	>360	A measure of the way petrol tends to react with oxygen at high temperatures. A low value means the petrol will age faster.
Renewable content	10%	0	>10%	Renewable content in Aspen 10% Renewable consists of residual products from the forestry and/or food industry. Renewable content in EN228 usually consists of ethanol.

* Typical values for Aspen Renewable alkylate petrol.
 ** Typical values for Aspen alkylate petrol.
 *** EN228 Standard SS-EN 228:2012.

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