

Q8 Porta 60P

Process oil with optimum performance

Description

Q8 Porta 60P is an advanced process oil with optimum performance and a high oxidation and thermal stability. This light coloured oil has a low aromatic and nitrogen content and minimum evaporation losses when heated. Q8 Porta 60P improves the elasticity of the rubber components.

Applications

Q8 Porta 60P is used in rubber and ink industry. It is applied in softeners and extenders (rubber industry). Q8 Porta 60P is also recommended as anti-dust oil in the agriculture industry and carrier oil in the lubricants industry.

Benefits

- Reduction of product portfolio through extended lubricant applications
- Highly resistant to ageing
- Optimum thermal stability
- Low evaporation

Properties

Colour D 1500 - L 3.0 max Odor - - Acceptable Density, 15 °C D 4052 g/ml 0,877 Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 100 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g 0.05 Pour Point D 97 °C -15 Flash Point, COC D 92 °C 242 Flash Point, P-M D 93 °C 237 Ash D 482 % mass 0.01 Sulfur D 2622 % mass 0.5 Carbon Residue D 524 % mass 0.05 Water content D 1744 ppm 100 DMSO extract IP 346 % 1 Hydrocarbons: Aromatic Rings D 2140 % 4.6 Hydrocar		Method	Unit	Typical
Appearance Visual - Bright and Clear Colour D 1500 - L 3.0 max Odor - - Acceptable Density, 15 °C D 4052 g/ml 0.877 Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 100 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Viscosity Grade	-	-	60P
Colour D 1500 - L 3.0 max Odor - - - Acceptable Density, 15 °C D 4052 g/ml 0,877 Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 100 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g 40.05 Pour Point D 97 °C -15 Flash Point, COC D 92 °C 242 Flash Point, P-M D 93 °C 237 Ash D 482 * mass 40.01 Sulfur D 2622 * mass 0.5 Carbon Residue D 524 * mass 0.5 Water content D 1744 ppm 100 DMSO extract IP 346 * 1 Hydrocarbons: Aromatic Rings D 2140 * 4.6	Viscosity Grade	-	-	Comparable to SN 300
Odor - - Acceptable Density, 15 °C D 4052 g/ml 0,877 Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 100 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Appearance	Visual	-	Bright and Clear
Density, 15 °C D 4052 g/ml 0,877 Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 50 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 98 Total Acid Number D 974 mg KOH/g <0.05 Pour Point D 97 °C -15 Flash Point, COC D 92 °C 242 Elash Point, P-M D 93 °C 237 Ash D 482 % mass <0.01 Sulfur D 2622 % mass <0.5 Carbon Residue D 524 % mass <0.5 Water content D 1744 ppm 100 DMSO extract IP 346 % <1 Hydrocarbons: Aromatic Rings D 2140 % 4.6 Hydrocarbons: Paraffinic Chains D 2140 % 2.9 Hydrocarbons: Paraffinic Chains D 2140 % 2.9	Colour	D 1500	-	L 3.0 max
Kinematic Viscosity, 40 °C D 445 mm²/s 60.15 Kinematic Viscosity, 50 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Odor	-	-	Acceptable
Kinematic Viscosity, 50 °C D 445 mm²/s 38.2 Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Density, 15 °C	D 4052	g/ml	0,877
Kinematic Viscosity, 100 °C D 445 mm²/s 7.99 Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Kinematic Viscosity, 40 °C	D 445	mm²/s	60.15
Viscosity Index D 2270 - 98 Total Acid Number D 974 mg KOH/g <0.05	Kinematic Viscosity, 50 °C	D 445	mm²/s	38.2
Total Acid Number D 974 mg KOH/g <0.05 Pour Point D 97 °C -15 Flash Point, COC D 92 °C 242 Flash Point, P-M D 93 °C 237 Ash D 482 % mass <0.01	Kinematic Viscosity, 100 °C	D 445	mm²/s	7.99
Pour Point D 97 °C -15 Flash Point, COC D 92 °C 242 Flash Point, P-M D 93 °C 237 Ash D 482 % mass <0.01	Viscosity Index	D 2270	-	98
Flash Point, COC D 92 "C 242 Flash Point, P-M D 93 "C 237 Ash D 482 "mass <0.01 Sulfur D 2622 "mass 0.5 Carbon Residue D 524 "mass 0.05 Water content D 1744 ppm 100 DMSO extract IP 346 " 1 Hydrocarbons: Aromatic Rings D 2140 " 4.6 Hydrocarbons: Naphthenic Rings D 2140 " 4.6 Hydrocarbons: Paraffinic Chains D 2140 " 65.6 Refractive Index n20/D D 1218 - 1.483 Refractivity Intercept D 2140 - 1.045 Aniline Point D 611 "C 106.6 Clay-gel adsorption: Aromatics D 2007 " mass 28.6 Clay-gel adsorption: Polar Compounds D 2007 " mass 1.1 Clay-gel adsorption: Saturates D 2007 " mass 70.4 Noack volatility D 5800	Total Acid Number	D 974	mg KOH/g	<0.05
Flash Point, P-M D 93 °C 237 Ash D 482 % mass <0.01	Pour Point	D 97	°C	-15
Ash D 482 % mass <0.01 Sulfur D 2622 % mass 0.5 Carbon Residue D 524 % mass 0.05 Water content D 1744 ppm 100 DMSO extract IP 346 % <1	Flash Point, COC	D 92	°C	242
Sulfur D 2622 % mass 0.5 Carbon Residue D 524 % mass 0.05 Water content D 1744 ppm 100 DMSO extract IP 346 % <1	Flash Point, P-M	D 93	°C	237
Carbon Residue D 524 % mass 0.05 Water content D 1744 ppm 100 DMSO extract IP 346 % <1	Ash	D 482	% mass	<0.01
Water content D 1744 ppm 100 DMSO extract IP 346 % <1	Sulfur	D 2622	% mass	0.5
DMSO extract IP 346 Hydrocarbons: Aromatic Rings D 2140 Hydrocarbons: Naphthenic Rings D 2140 Hydrocarbons: Paraffinic Chains D 2140 D 1218 Index n20/D D 1218 Index n20/D Aniline Point D 2140 Index n20/D Index n20/D Aniline Point D 2140 Index n20/D Aniline Point D 2140 Index n20/D Aniline Point D 2007 Mass D 2007 Mass Index n20/D Clay-gel adsorption: Asphaltenes D 2007 Mass Index n20/D Clay-gel adsorption: Saturates D 2007 Mass Toughand Noack volatility D 5800 M 12	Carbon Residue	D 524	% mass	0.05
Hydrocarbons: Aromatic Rings D 2140 Hydrocarbons: Naphthenic Rings D 2140 Hydrocarbons: Paraffinic Chains D 2140 D 1218 Refractive Index n20/D D 1218 D 2140 D 1240 Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains Hydrocarbons: Paraffinic Chains Hydrocarbons: Paraffinic Chains D 2140 Hydrocarbons: Paraffinic Chains Hydr	Water content	D 1744	ppm	100
Hydrocarbons: Naphthenic Rings D 2140 M 29.9 Hydrocarbons: Paraffinic Chains D 2140 M 65.6 Refractive Index n20/D D 1218 Refractivity Intercept D 2140 D 1218 Refractivity Intercept D 2140 D 1045 Aniline Point D 611 C 106.6 Clay-gel adsorption: Aromatics D 2007 M mass Clay-gel adsorption: Asphaltenes D 2007 M mass Clay-gel adsorption: Polar Compounds D 2007 M mass 1.1 Clay-gel adsorption: Saturates D 2007 M mass 70.4 Noack volatility D 5800 M 12	DMSO extract	IP 346	%	<1
Hydrocarbons: Paraffinic Chains D 2140 % 65.6 Refractive Index n20/D D 1218 - 1.483 Refractivity Intercept D 2140 - 1.045 Aniline Point D 611 °C 106.6 Clay-gel adsorption: Aromatics D 2007 % mass 28.6 Clay-gel adsorption: Asphaltenes D 2007 % mass <0.1 Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Hydrocarbons: Aromatic Rings	D 2140	%	4.6
Refractive Index n20/D Refractivity Intercept D 2140 - 1.045 Aniline Point D 611 C 106.6 Clay-gel adsorption: Aromatics D 2007 M mass Clay-gel adsorption: Polar Compounds D 2007 M mass 1.1 Clay-gel adsorption: Saturates D 2007 M mass 1.2	Hydrocarbons: Naphthenic Rings	D 2140	%	29.9
Refractivity Intercept D 2140 - 1.045 Aniline Point D 611 °C 106.6 Clay-gel adsorption: Aromatics D 2007 % mass 28.6 Clay-gel adsorption: Asphaltenes D 2007 % mass <0.1 Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Hydrocarbons: Paraffinic Chains	D 2140	%	65.6
Aniline Point D 611 °C 106.6 Clay-gel adsorption: Aromatics D 2007 % mass 28.6 Clay-gel adsorption: Asphaltenes D 2007 % mass <0.1 Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Refractive Index n20/D	D 1218	-	1.483
Clay-gel adsorption: Aromatics D 2007 % mass 28.6 Clay-gel adsorption: Asphaltenes D 2007 % mass <0.1 Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Refractivity Intercept	D 2140	-	1.045
Clay-gel adsorption: Asphaltenes D 2007 % mass <0.1 Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Aniline Point	D 611	°C	106.6
Clay-gel adsorption: Polar Compounds D 2007 % mass 1.1 Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Clay-gel adsorption: Aromatics	D 2007	% mass	28.6
Clay-gel adsorption: Saturates D 2007 % mass 70.4 Noack volatility D 5800 % 12	Clay-gel adsorption: Asphaltenes	D 2007	% mass	<0.1
Noack volatility D 5800 % 12	Clay-gel adsorption: Polar Compounds	D 2007	% mass	1.1
	Clay-gel adsorption: Saturates	D 2007	% mass	70.4
Shear Stability CEC L-14-93 % 2 max	Noack volatility	D 5800	%	12
	Shear Stability	CEC L-14-93	%	2 max

The figures above are not a specification. They are typical figures obtained within production tolerances.

Sustainability

The product Carbon Footprint (PCF), cradle-to-gate (Q80ils state of the art facility in Belgium), of Q8 Porta 60P is $1.22\,\rm kg$ CO $_2\rm eq$ / kg.

Please contact Q80ils to learn more about the positive environmental impact, the handprint, of this product.

To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer. For more info check here



