

DIVYOL QUENCHING OILS

39 / 40 / 42 / 43 / 44

Applications:

Divyol Quenching Oils are a range of heat treatment oils, each with a different set of properties, for various metal quenching objectives. The range includes Divyol Quenching Oils of grades 39, 40, 42, 43 and 44. Of these, grades 39 and 40 are general purpose quenching oils with inherent oxidation stability. Grade 39 has lower viscosity than grade 40. Quenching Oil 42 is designed for accelerated quenching and has special polar additives to help strengthen metal hardness uniformly, resulting in greater durability. Grade 43 oil is an additive type blend which helps achieve the average quench meter result of 14 sec. Divyol Quenching Oil grade 44 is also an additive type blend that has higher viscosity and helps minimize distortion.

Standards:

Divyol Quenching Oils are formulated using solvent refined base oil and select additives. All the grades in the series conform to performance standards as per BIS: 2664-1980 (reaffirmed 2014) compounded type. Divyol Quenching Oil 43 and 44 meet specifications of IS:2664/93.

Advantages:

Divyol Quenching Oils grades 39, 40, 42, 43 and 44 are non-corrosive and non-toxic. They facilitate quenching through proper and controlled cooling and help achieve uniform hardness of quenched components. These oils possess excellent thermal and oxidation stability as well as high flash and fire points. They also have low volatility which results in reduced consumption. There is also lower oil loss due to reduced carry-over. The entire range is suitable for use in large scale automation.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Quenching Oils				
			39	40	42	43	44
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Flash point COC, °C, min.	ASTM D 92	200	220	195	200	220
3	Pour point, °C, max.	ASTM D 97	-6	-6	-6	-6	-6
4	Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	32	68	32	30	40
5	Viscosity index, min.	ASTM D 2270	95	90	95	95	95
6	Copper strip corrosion, 3 hrs. at 100 °C, max.	ASTM D 130	1	1	1	1	1

The above properties are typical values and do not constitute specification of the product.

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