

DNR HYDIM SERIES

Premium Quality Hydraulic Oils

Description

DYR HYDIM SERIES oils are high performance hydraulic oils. These oils provide superior antiwear protection. excellent oxidation and thermal stability, outstanding hydraulic stability and good demulsibility. DYR HYDIM SERIES oils also possess superior filterability characteristics. These oils provide problem free service and have been found to be far superior in performance compared to other commercially available anti-wear, heavy duty hydraulic oils.

Application

DYR HYDIM SERIES oils are recommended as a fluid media in hydraulic systems, operating under extremely severe conditions. These oils are recommended for sophisticated high performance electro-hydraulic or numerically controlled systems. DYR HYDIM SERIES oils are also recommended for lubrication of screw compressors requiring oil of excellent thermal stability and low CCR value. These oils are not suitable where the components are of silver or silver coated. These oils find wide usage as gear and bearing lubricants in coal pulverizers and a variety of other one and rock crushing machinery. These oils are also extensively used for long, trouble free operation of compressors, machine tools, hydraulic systems, circulating oil systems and small enclosed gears where EP lubricants are not necessary.

Performance Benefits

Ensure long service life due to outstanding oxidation and thermal stability.
Provide sludge free high temperature performance and excellent filter ability characteristics.
Readily separate from water because of excellent demulsibility characteristics.
Provide superior long term protection against rust and corrosion.
Have resistance to the formation of sludge and deposits in the system.
Provide long life to moving parts due to adequate anti-wear properties.
Have reduced foaming tendency.
Ensure longer intervals between oil changes and system clean ups.
Ensure overall problem free performance.

Characteristics

Typical Characteristics	Reference Method	Typical Test Data							
		32	46	68	100	150	220	320	460
Density @ 29.5°C, kg/l	ASTM D 1298	0.862	0.865	0.870	0.872	0.891	0.863	0.899	0.900
Kinematic Viscosity @ 100° cSt	ASTM D 445	5.690	6.89	9.08	11.88	15.10	19.3	24.3	32.2
Viscosity at 40°C, cSt	ASTM D 445	34.24	46.94	69.43	106.5	153.8	227.2	319.9	494.6
Viscosity Index	ASTM D 2270	105	102	1050	100	98	96	97	95
Pour Point, °C	ASTM D 97	(-)27	(-)24	(-)24	(-)21	(-)15	(-)9	(-)6	(-)6
Total acid Number, mg KOH/g	ASTM D 2896 (E)	0.45	.37	0.44	36	0.663	0.691	0.44	0.45
Flash Point COC, °C	ASTM D 92	230	240	250	260	276	278	282	286

(Characteristics of this chart are indicative typical values)

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are mentioned

