

## HYDRASUPER AW SERIES

High Performance Hydraulic Oils

### DESCRIPTION

KYROS HYDRASUPER AW Series Hydraulic Oils are high quality hydraulic oils formulated from premium quality, low evaporation base oils and fortified with antiwear, anti-rust and oxidation inhibiting additives for superior performance. These oils are designed for hydraulic systems with high pressure and thermal loading and subject to corrosive conditions due to presence of water. Based on highly refined, ageing resistant oils, KYROS HYDRASUPER AW hydraulic oils under proper maintenance, retain high levels of cleanliness. These oils have good compatibility with elastomers and exhibit minimal changes in viscosity under higher operating temperatures.

#### Product Features & Benefits

- Highly Oxidation Resistant.
- Low Foaming.
- Excellent deaeration and demulsifying Properties.
- Retain High Levels of Cleanliness.
- Good compatibility with Elastomers.
- Process Good Extreme Properties to protect sliding surfaces against Wear
- Exhibit Minimal Changes in Viscosity under higher operating temperatures.

### APPLICATION AREAS

KYROS HYDRASUPER AW Series oils are recommended for all large and medium sized hydraulic systems where good separation of dragged-in water, combined with overall antiwear properties is an essential requirement. KYROS HYDRASUPER AW Series oils can also be used as general purpose lubricating oils for use in gearboxes, general machinery and bearings.

### PACKING

KYROS HYDRASUPER AW SERIES oils are packed in 210 lit. steel and 27 lit. plastic containers and are also supplied in bulk containers. ISO VG viscosities 10, 15, 22, 32, 46, 57 and 68. Other viscosity grades available on request.

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## TECHNICAL DATA

KYROS HYDRASUPER AW SERIES		PRODUCT NAME						
PROPERTIES	TEST METHOD	AW 10	AW 15	AW 22	AW 32	AW 46	AW57	AW 68
Colour	ASTM D 1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Density@29.5°C, g/ml (TYP)	ASTM D 1298/4052	0.8223	0.8284	0.8350	0.8440	0.8376	0.8560	0.8580
Kinematic viscosity @40°C, mm <sup>2</sup> /s	ASTM D 445/7042	9.0-11.0	13.5-16.5	19.8-24.2	28.8-35.2	41.4-50.6	51.3-62.7	61.2-74.8
Viscosity Index	ASTM D 2270	110	110	116	116	112	110	110
Flash Point, COC, °C Min	ASTM D 92	140	140	160	180	180	210	210
Pour Point, °C Max	ASTM D 97	-15	-15	-12	-9	-9	-6	-6
Total Acid Number, mg KOH /g Max	ASTM D 974	1.5						
Emulsion Characteristics 40-37-3, Minutes(Max)	ASTM D 1401	20						
Air Release Values minutes, Max	ASTM D 3427	5	5	5	7	10	15	15
Foaming Stability after 10 minutes settling time, foam, ml, Max	ASTM D 892							
Sequence 1, 24 <sup>o</sup> C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sequence 2, 93.5 <sup>o</sup> C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Sequence 3, 24 <sup>o</sup> C		Nil	Nil	Nil	Nil	Nil	Nil	Nil
Copper Strip corrosion @100 <sup>o</sup> C/3 hrs	ASTM D 130	1 Max						
Rust Preventive Characteristics	ASTM D 665 B	Passes						
FZG Test, Stages	DIN 51354-2	12						

### DISCLAIMER

The information given in this data sheet is based on extensive tests and practical experience and is given in good faith. It cannot however, provide an absolute guarantee of success in all varied areas of application. For this reason, practical trials are recommended.



For more details contact :  
**RAJ PETRO SPECIALITIES P. LTD.**  
 7th Floor, Doshi Towers, 156 Poonamallee High Road, Kilpauk, Chennai - 600 010. India.  
 E : kyros@rajgrp.com | P : +91 44 4228 8900 | www.rajgrp.com