

DESCRIPTION

Petrogulf MAXON AW is a premium quality rust & oxidation (R&O) and anti-wear additivated hydraulic fluid designed primarily for mobile and stationary equipment operating continuously and subjected to wide variations in ambient and operating temperatures. R&O Hydraulic Oils are designed for use in many applications that require protection against rust and oxidation. They separate rapidly from water and are hydrolytically stable. R&O Hydraulic Oils provide excellent foam, friction, filterability, rust and corrosion protection properties in addition to providing superior thermal and oxidative stability.

APPLICATION

Recommended for all hydraulic systems designed to use mineral oil-based fluid particularly in industrial, construction, agriculture, mining applications. They may be used for lightly loaded plain and anti-friction bearings, electric motors, machine tools, air compressors and circulating systems that require a rust and oxidation inhibited oil. R & O Hydraulic Oil can also be used in applications as gear oil where API GL-1 service is specified. It is widely used where non-detergent motor oils are specified.

KEY FEATURES & BENEFITS

- Mineral oil provides robust performance in typically dusty environment
- Good filterability and trouble-free operation in all conditions
- Enhanced thermal stability when operating continuously
- Extremely high control over wear, rust and corrosion to ensure long life of moving parts.
- Excellent protection against oxidation
- Compatible with most metals used in pumps and pistons
- Provides long service life by resisting oil thickening and harmful deposits
- Protects against rust and corrosion

PERFORMANCE PROFILE

- Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)
- Eaton M-2950-S and I-286-S3
- MAG P68, P69, P70 (HM, HV)
- DIN 51524-2 (HM); DIN 51524-3 (HV)
- ISO 11158 (HM, HV)
- ASTM D6158 (HM, HV)
- SAE MS 1004 (HM, HV)

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES				
	10	15	22	32	37
ISO Grade	10	15	22	32	37
Kinematic Viscosity @40°C, mm²/s	10.8	15.4	22.0	32.33	37.5
Kinematic Viscosity @100°C, mm²/s	2.80	3.47	4.31	5.42	5.96
Viscosity Index	102	101	101	101	101
Density @ 15°C Kg/L	0.846	0.856	0.858	0.8640	0.868
Pour Point °C	-33	-33	-30	-30	-30
Flash Point (COC), °C	166	176	186	218	222
Air Release @ 50°C, min	1.0	1.5	1.5	2.0	2.5
Color ASTM	L0.5	L1.0	L1.0	L1.5	L1.5

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*


TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES			
ISO Grade	46	68	100	150
Kinematic Viscosity @40°C, mm ² /s	45.6	69.2	100.7	150.1
Kinematic Viscosity @100°C, mm ² /s	6.74	8.83	11.20	14.6
Viscosity Index	101	100	96	96
Density @ 15°C Kg/L	0.873	0.881	0.883	0.886
Pour Point °C	-27	-27	-21	-21
Flash Point (COC), °C	226	240	250	262
Air Release @ 50°C, min	3.0	3.5	-	-
Air Release @ 75°C, min	-	-	4.5	5.5
Color ASTM	L2.0	L2.5	L3.0.	L3.0

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ISO GRADE	10	15	22	32	37	46	68
PRODUCT CODE	30308000100	30308000200	30308000300	30308000400	30308000500	30308000600	30308000800
	100	150					
	30308001000	30308001100					


Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.