

RMM AWS SERIES/速成 AWS 系列

Hydraulic Oil 液压油

Product Description/ 产品说明

RMM AWS Series are high performance hydraulic oil. RMM AWS Series manufactured from premium base oils and is fortified with an additive system to provide a product which insures maximum performance in all aspects of hydraulic service. RMM AWS Series provide excellent anti-wear agents keep wear rates low on critical pump parts and rust and corrosion problems are eliminated by the rust inhibitor. A foam suppression additive eliminates concerns over operating problems due to foam buildup in the hydraulic storage tank even in high circulation rate systems with low residence times.

速成 AWS 系列是高性能液压油。该系列采用了高品值基础油来强化添加剂性能确保发挥杰出的液压油功能。该系列产品还具有出色的抗磨损保护、强效的防锈和防腐蚀保护、快速的泡沫控制和空气释放性能，以及卓越的抗氧化性能。这些出色性能有助于为液压系统提供所需的保护，使其在广泛的操作温度范围内保持更高效的运行。

Features and Benefits/特征与优越性及优点

- Good anti-wear performance
- Protect against rust and corrosion
- Maintain excellent control of oil consumption
- Foam inhibition reduces the danger of pump failure due to cavitation
- 出色的抗磨损保护
- 防锈和防腐蚀保护
- 延长液压油寿命和降低油量
- 快速的泡沫控制和空气释放性能保持液压运作顺畅。

Applications/应用范围

- Industries hydraulic system with required anti-wear fluid.
- System gear with non-EP
- Mobile hydraulic fluid power transmission system.
- 工业液压系统装有抗磨损工能的要求
- 装有齿轮系统非极端压力
- 移动液压传动系统

Meet Standard Performance/标准性能达到

- U.S. Steel 127, 136
- Cincinnati Milacron P-68, P-69, P-70
- DIN 51 524 Part 2, Part 3
- Denison HF-0, HF-1, HF-2
- Vickers M-2950-S, I-286-S
- AFNOR N FE 48-691

Properties and Specifications/典型数据

AWS Series/系列

ISO Grade 等级	32	46	68	100	150
Kinematic Viscosity/粘度, @ 40° C, mm ² /s, ASTM D445	32	46	68	100	150
Kinematic Viscosity/粘度, @ 100° C, mm ² /s, ASTM D445	5.4	6.7	8.6	11.1	14.9
Viscosity Index/粘度指数, ASTM D2270	99	98	97	96	98
Density/密度 @ 15°C, g/cm ³ , ASTM D4052	0.875	0.879	0.866	0.890	0.887
Flash Point/闪点, Cleveland Open Cup, °C, ASTM D92	210	220	220	230	235
Pour Point/倾点, °C, ASTM D97	-20	-20	-18	-18	-15

RMM AWS HIVS SERIES/速成 AWS HIVS 系列

Hydraulic Oil 液压油

Product Description/ 产品说明

RMM AWS HIVS Series are high performance hydraulic oil. RMM AWS HIVS Series manufactured from premium base oils and is fortified with an additive system to provide a product which insures maximum performance in all aspects of hydraulic service. This series products have a high viscosity indexes to improve and stability of performance hydraulic system in low/high temperature conditions. This series have excellent anti-wear agents keep wear rates low on critical pump parts and rust and corrosion problems are eliminated by the rust inhibitor. A foam suppression additive eliminates concerns over operating problems due to foam buildup in the hydraulic storage tank even in high circulation rate systems with low residence times.

速成 AWS HIVS 系列是高性能液压油。该系列采用了高品值基础油来强化添加剂性能确保发挥杰出的液压油功能。AWS HIVS 系列 粘度指数高，具有出色的低温及高温特点。这产品还具有出色的抗磨损保护、强效的防锈和防腐蚀保护、快速的泡沫控制和空气释放性能，以及卓越的抗氧化性能。这些出色性能有助于为液压系统提供所需的保护，使其在广泛的操作温度范围内保持更高效的运行。

Features and Benefits/特征与优越性及优点

- High viscosity index improves the performance of viscosity characteristic.
 - Good anti-wear performance
 - Protect against rust and corrosion
 - Maintain excellent control of oil consumption
 - Foam inhibition reduces the danger of pump failure due to cavitation
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- 粘度指数高，增加粘度特性性能
 - 出色的抗磨损保护
 - 防锈和防腐蚀保护
 - 延长液压油寿命和降低油量
 - 快速的泡沫控制和空气释放性能保持液压运作顺畅。

Applications/应用范围

- Industries hydraulic system with required anti-wear fluid.
- System gear and bearing with mild anti-wear characteristic.
- Mobile hydraulic fluid power transmission system.
- Outstanding water separation
- 工业液压系统装有抗磨损工能的要求
- 装有齿轮和轴承，要求润滑剂具有中等抗磨损特性的系统
- 移动液压传动系统
- 出色的水分离

Meet Standard Performance/标准性能达到

- AFNOR NE E 48-603 HM
- Cincinnati Milacron P68, P69, P70
- DIN 51 524 Part 3 HVLP
- Haglund's Denison HF-2, HF-0
- Sperry Vickers 1-286-S, M-2950-S (35VQ25)
- US Steel 136, 127
- CETOP and Pall Filterability
- NF E 48-690, NF E 48-691 Filterability

Properties and Specifications/典型数据

AWS H1VS Series/系列

ISO Grade 等级	32	46	68
Kinematic Viscosity/粘度, @ 40° C, mm ² /s, ASTM D445	32	46	68
Kinematic Viscosity/粘度, @ 100 °C, mm ² /s, ASTM D445	6.4	8.2	11.0
Viscosity Index/粘度指数, ASTM D2270	151	152	151
Density/密度 @ 15°C, g/cm ³ , ASTM D4052	0.876	0.875	0.879
Flash Point/闪点, Cleveland Open Cup, °C, ASTM D92	210	215	220
Pour Point/倾点, °C, ASTM D97	-40	-40	-35

RMM AWS ZF (ZINC FREE) SERIES/速成 AWS ZF (无锌)系列

Hydraulic Oil 液压油

Product Description/ 产品说明

RMM AWS ZF Series are high performance zinc free hydraulic oil. RMM AWS ZF Series formulated by premium base oils and is fortified with an additive system to provide a product which insures maximum performance in all aspects of hydraulic service. This series products have improved filterability and demulsibility. They provide multi-metal compatibility in the presence of water. This series have excellent anti-wear agents keep wear rates low on critical pump parts and rust and corrosion problems are eliminated by the rust inhibitor. A foam suppression additive eliminates concerns over operating problems due to foam buildup in the hydraulic storage tank even in high circulation rate systems with low residence times.

速成 AWS ZF 系列是高性能无锌液压油。该系列采用了高品值基础油来强化添加剂性能确保发挥杰出的液压油功能。AWS ZF 有出色的提高过滤能力和抗乳化性。这产品还具有出色的抗磨损保护、强效的防锈和防腐蚀保护、快速的泡沫控制和空气释放性能，以及卓越的抗氧化性能。这些出色性能有助于为液压系统提供所需的保护，使其在广泛的操作温度范围内保持更高效的运行。

Features and Benefits/特征与优越性及优点

- Improve filter ability and remissibility
 - Good anti-wear performance
 - Protect against rust and corrosion
 - Maintain excellent control of oil consumption
 - Foam inhibition reduces the danger of pump failure due to cavitation
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- 出色的提高过滤能力和抗乳化性出色的抗磨损保护
 - 出色的抗磨损保护
 - 防锈和防腐蚀保护
 - 延长液压油寿命和降低油量
 - 快速的泡沫控制和空气释放性能保持液压运作顺畅

Applications/应用范围

- Industries hydraulic system with required anti-wear fluid.
- System gear and bearing with mild anti-wear characteristic.
- Mobile hydraulic fluid power transmission system.
- 工业液压系统装有抗磨损工能的要求
- 装有齿轮和轴承，要求润滑剂具有中等抗磨损特性的系统
- 移动液压传动系统

Meet Standard Performance/标准性能达到

- AFNOR NE E 48-603 HM
- Cincinnati Milacron P70
- DIN 51 524 Part 2 HLP

Properties and Specifications/典型数据

AWS ZF Series/系列

ISO Grade 等级	32	46	68	100	150
Kinematic Viscosity/粘度, @ 40 C, mm ² /s, ASTM D445	30.7	46	68	100	147
Kinematic Viscosity/粘度, @ 100 C, mm ² /s, ASTM D445	5.2	6.8	8.9	11.4	14.3
Viscosity Index/粘度指数, ASTM D2270	98	105	105	100	95
Density/密度 @ 15°C, g/cm ³ , ASTM D4052	0.868	0.865	0.870	0.875	0.890
Flash Point/闪点, Cleveland Open Cup, °C, ASTM D92	220	220	220	230	240
Pour Point/倾点, °C, ASTM D97	-25	-25	-25	-20	-15