

## Product Information



### **Premium AW Hydraulic Oils**

*Premium Performance Fully Synthetic Hydraulic Fluid  
Low Temperature and Shear Stable Properties  
Used For Critical and Highly Precise Hydraulic Applications*

---

#### **DESCRIPTION**

**Syngard™ Premium AW Hydraulic Oils** are premium performance hydraulic fluids are shear-stable hydraulic oils with controlled low-temperature properties and maximised anti-wear protection. The products is designed with very high viscosity indexes contributing to their excellent low and high temperature performance.

**Syngard™ Premium AW Hydraulic Oils** provide excellent shear stability allowing their use in high-pressure, high-temperature operating environments for extended periods of time without the loss of critical lubrication characteristics. They were developed to meet major OEM requirements of hydraulic systems using high pressure, high output pumps as well as handling hydraulic system components such as close clearance servo-valves and the high accuracy numerically controlled machine tools.

---

#### **APPLICATION**

- High pressure gear, vane and piston pumps
- Mobile equipment

---

#### **BENEFITS**

- Excellent anti-wear performance
- Excellent oxidation stability
- Higher viscosity index and lower pour point
- Protects servo-valves and tight tolerance equipment

---

#### **PERFORMANCE**

Denison	HF-O
Vickers Mobile	M-2950
Vickers Industrial	I – 286S
Sundstrand	
Cincinnati Machine	P-68



**MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.**  
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ [www.martinlubricants.com](http://www.martinlubricants.com)

## Product Information

---

<b>TYPICAL PROPERTIES</b>	<b>Method</b>	<b>AW 32</b>	<b>AW 46</b>	<b>AW 68</b>
Specific Gravity at 15.6°C	D-1298	0.843	0.847	0.872
Viscosity, cSt at 40°C	D-445	32.7	43.7	63.6
Viscosity, cSt at 100°C	D-445	6.1	7.3	8.6
Viscosity Index	D-2270	135	132	107
Flash Point, COC °C	D-92	248	248	248
Flash Point, COC °C		478	478	478
Pour Point, °C	D-97	- 31	- 31	- 31
Pour Point, °F		- 24	- 24	- 24
Oxidation, TOST hr.	D-943	7,500 +	7,500 +	7,500 +
ML Identification Number		588895	588908	588916

---

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

**Health And Safety Information:** See separate Safety Data Sheets available on request.

**SynGard™** and **Martin Lubricants™** are trademarks of Martin Lubricants. All other marks are property of their respective owners.



**MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.**  
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ [www.martinlubricants.com](http://www.martinlubricants.com)