



## PRODUCT DATA SHEET

**AW 46 PREMIUM HYDRAULIC OIL CODE: 727**

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Scot Lubricants LLC (Scot) AW 46 Premium Hydraulic Oil is a high Viscosity Index, anti-wear hydraulic oil blended from superior quality base stock. Scot Lubricants' Premium Hydraulic oils are available in five viscosity grades to comply with most industrial applications.

### FEATURES

Scot AW Premium Hydraulic Oils contain additive systems which convey characteristics most desired in these types of oils:

- Excellent thermal stability. Scot Premium AW Hydraulic Oils contain the most up to date thermally stable zinc-type additives, eliminating the development of heat-related sludging in electro-hydraulic servos associated with conventional zinc-type oils.
- Excellent rust protection
- Excellent antifoam protection
- Excellent hydraulic stability in the presence of water will not contribute to the formation of corrosive reactants or metal-etching acids.

### APPLICATIONS

- Scot AW Premium Hydraulic Oils may be recommended for application when a quality, anti-wear hydraulic oil is required by equipment manufactures. The oils meet the rigorous performance requirements including Denison HF-0 and HF-2, Cincinnati Milacron P-68, P-69, and P-70, Vickers M-2950-S and 1-286-s. Passes Vickers 35VQ25 Pump Test.
- Scot AW Premium Hydraulic Oils provides excellent vane pump wear and protection. Extremely low pump part weight losses were encountered in the ASTM-D-2882 Vane Pump Wear Tests. Piston pump performance is also outstanding. No evidence of wear or distress was observed at the end of the 100 hour (5000 psi) Denison P-46 Axial Piston Pump Test.

### AVAILABLE IN:

- Bulk
- 55 Gallon Drums
- 16 Gallon Quarter Drums
- 5 Gallon Pails

### SELECTION

Listed below are typical physical and chemical characteristics of Scot AW Hydraulic Oils. Follow equipment manufacturer recommendations and conventional guides to determine the best AW Hydraulic Oil for specific applications.



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<b>VISCOSITY GRADE:</b>	<b>22</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>150</b>
<b>Product Code</b>	<b>725</b>	<b>726</b>	<b>727</b>	<b>728</b>	<b>724</b>
Viscosity cSt@40°C	21.0	32.4	43.6	66.8	150
Viscosity cSt@100°C	4.48	5.80	7.4	10.7	14.1
Viscosity, SUS @ 210°F	36.6	43.9	48.2	54.6	74
Viscosity Index	110	124	135	149	103
API Gravity	34.17	31.2	30.4	29.7	28.9
Pour Point, °C	-45	-36	-33	-30	-30
Color (ASTM-D-1500)	0.5	0.5	1.0	1.5	1.5
Oxidation (ASTM-D943)	4000+	5000	5000	5000	5000
Total Acid # (ASTM-D974)	0.50	0.50	0.50	0.50	0.50
(ASTM-D665A)	PASS	PASS	PASS	PASS	PASS
(ASTM-D665B)	PASS	PASS	PASS	PASS	PASS