



PRODUCT DATA SHEET

SYNTHETIC HYDRAULIC OIL AW 46 CODE: 731

Page | 1 OF 2

Scot Lubricants LLC (Scot) Synthetic Hydraulic AW 46 Oil is a high Viscosity Index, anti-wear hydraulic oil blended from superior quality base stock. Scot Lubricants' Synthetic Hydraulic oils are available in 4 viscosity grades to comply with most industrial applications.

FEATURES

Scot Synthetic 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 Synthetic 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 Synthetic Hydraulic Oils provide 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.

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AVAILABLE IN:

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

SELECTION

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



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Page | 2 OF 2

VISCOSITY GRADE:	22	32	46	68	150
Product Code	729	730	731	732	733
Viscosity cSt@40 ⁰ C	23	30	47.5	67.9	153
Viscosity cSt@100 ⁰ C	4.48	5.26	7.9	9.7	17.32
Viscosity, SUS @ 210°F	36.6	43.9	48.2	54.6	75.6
Viscosity Index	139	146	137	124	126
API Gravity	34.17	31.2	30.4	29.7	28
Flash Point °C /°F	228(442)	224(435)	260(500)	260(500)	260(500)
Pour Point, °C	-45	-36	-33	-30	-30
Color (ASTM-D-1500)	0.5	0.5	1.0	1.5	2.0
Oxidation (ASTM-D943)	7000	7000	7000	7000	7000
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