

# Hydraulic Oil



## Features & benefits

- Excellent corrosion and wear protection for extended pump life
- Excellent foam resistance for efficient operation
- Excellent water tolerance
- Outstanding oxidation resistance

## Typical results

Test Method	15	22	32	46	68	100
ISO GRADE	15	22	32	46	68	100
VISCOSITY (D445) cSt @ 40°C	15.3	22.2	32.4	44.2	68.8	101.9
cSt @ 100°C	3.6	4.7	5.8	7.2	9.6	12.3
VISCOSITY INDEX (D2270)	119	133	122	124	119	113
ASTM COLOUR (D1500)	1.0	1.0	1.5	1.5	2.5	2.5
DENSITY @ 15°C (D4052), kg/L	0.84	0.84	0.85	0.85	0.86	0.87
POUR POINT (D5949), °C	-55	-50	-45	-43	-40	-35
FLASH POINT (D93), °C	189	202	219	221	230	223
OXIDATION LIFE (D943), hrs	5500+	5000+	5000+	4500+	3000+	2000+
ZINC CONTENT (D4951), %wt	0.04	0.04	0.04	0.04	0.04	0.04
DEMULSE (D1401), TIME TO 40/40/0, min	15	35	20	10	10	5

## Sizes & order codes

Size	15	22	32	46	68	100
3.78 L (1 US gal)	-	-	F0006626	-	-	-
18.9 L (5 US gal)	F0087640	F0087740	F0082840	F0088140	F0088240	F0087540
205 L (54.2 US gal)	-	F0013150	F0013250	F0013350	F0013450	-
500 L (132 US gal)	-	-	-	-	F0007255	-
1000 L (264 US gal)	-	F0006460	F0006660	F0007060	F0007260	F0006060
1000 L (264 US gal) Metal Tote	-	-	F0128460	-	F0128360	-
1000 L (264 US gal) Bulk Tote	-	F0108701	F0105701	F0109801	F0105801	-
Bulk	B0006101	B0006401	B0006601	B0007001	B0007201	B0006001

Irving Hydraulic Oils are high-performance anti-wear hydraulic oils. These oils are blended from quality paraffinic mineral oil, which gives them the ability to maintain their viscosity over a relatively wide range of operating temperatures.

Irving Hydraulic Oils are fortified with additives to provide the best possible wear protection and service life.

Irving Hydraulic Oils protect hydraulic pumps and motors while resisting deterioration, water contamination and sludge formation.

Irving Hydraulic Oils provide superior performance in all critical areas as proven by industry-standard tests, many of them developed by the pump manufacturers themselves.

Irving Hydraulic Oils are NOT recommended for use with pumps that contain silver-plated parts. For these applications, use Irving D&E oils.



Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to March 27, 2024.

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## Specifications

✓ Meets requirements

Specification	15	22	32	46	68	100
ASTM D6158 HM	✓	✓	✓	✓	✓	✓
DIN 51524-2 HLP	✓	✓	✓	✓	✓	✓
ISO 11158 HM	✓	✓	✓	✓	✓	✓
SAE MS 1004 HM	✓	✓	✓	✓	✓	✓
AIST 126	-	-	✓	✓	✓	-
AIST 127	-	-	✓	✓	✓	-
Fives P-68	-	-	✓	-	-	-
Fives P-69	-	-	-	-	✓	-
Fives P-70	-	-	-	✓	-	-
GM LS-2	-	✓	✓	✓	✓	-
Parker (Denison) HF-0, HF-1, HF-2	-	-	✓	✓	✓	-
Bosch Rexroth RE 90220	✓	✓	✓	✓	✓	✓
Eaton M-2950-S*	-	-	✓	✓	✓	-
Eaton I-286-S*	-	-	✓	✓	✓	-
Eaton 35VQ25*	-	-	✓	✓	✓	-

\*Obsolete specification

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