HYDRAULIC OILS

Co-op offers a complete selection of premium-quality hydraulic oils that use proprietary formulations and unique additive packages to prevent sludge, varnish and corrosion within the hydraulic system.

TECHNICAL DATA SHEETS

2 | HYDRAULIC OIL

4 | HYDRAULIC MV

6 | HYDRAULIC XHVI SYNTHETIC BLEND

8 | HYDRAULIC ZINC FREE

HYDRAULIC OIL

ISO 22, 32, 46, 68, 100, 150

PRODUCT DESCRIPTION

HYDRAULIC OIL is a family of premium-quality, zinc-based, anti-wear (AW) hydraulic fluids. They are typically recommended for heavy-duty hydraulic systems found within commercial settings and outdoors in mobile equipment. Our premium additive package reduces downtime by preventing sludge, varnish and corrosion from occurring within the system.

PERFORMANCE FEATURES

- Anti-wear additives prevent premature wear of the hydraulic pump and circulating system
- Oxidation inhibitors protect the hydraulic systems from oil thickening and varnish buildup
- Rust inhibitors protect against corrosion during high-moisture operating conditions
- Inhibited against foaming to maintain lubrication and ensure a positive response in hydraulic systems
- All grades maintain excellent thermal stability

APPLICATIONS

HYDRAULIC OILS are recommended for use in a wide variety of hydraulic systems found in a variety of commercial equipment with high speed, high pressure vane and gear pumps, along with bronze axial piston pumps. An ideal choice for electric utility maintenance equipment, enclosed gear sets, circulating systems, air compression/vacuum pumps and in select manufacturing applications.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	ISO VISCOSITY GRADE					
	22	32	46	68	100	150
Kinematic Viscosity cSt @ 40°C	22.1	32.0	45.8	68.0	101.1	152.0
Kinematic Viscosity cSt @ 100°C	4.5	5.6	6.9	8.9	11.3	14.8
Viscosity Index	116	108	107	103	99	96
Pour Point, °C	-45°	-45°	-39°	-36°	-30°	-30°

HYDRAULIC OIL

ISO 22, 32, 46, 68, 100, 150

PERFORMANCE SPECIFICATIONS

HYDRAULIC OIL is approved and/or recommended and backed by the Federated Co-operatives Limited Oil Guarantee for use in the following:

INDUSTRY/OEM	SPECIFICATIONS
EATON VICKERS	Industrial applications (I-286-S)/ Mobile applications (M-2950-S)/ 35VQ25
FIVES CINCINNATI	P 68 (light hydraulic oil)/ P 69 (heavy–medium hydraulic oil)/ P 70 (medium hydraulic oil)
U.S. STEEL	126, 127, 136

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	ISO VISCOSITY GRADE				
	22	32	46	68	100
3.785 L Jug	✓	✓	✓		✓
18.9 L Pail	✓	✓	✓	✓	✓
208 L Drum	✓	✓	✓	✓	✓
1000 L Tote	✓	✓	✓		
Bulk	✓	✓			

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at www.business.crs.

RECYCLING OF USED LUBRICANTS AND CONTAINERS

Please protect the environment when disposing of petroleum products. All products should be taken to an authorized collection facility or picked up by a qualified organization. This ensures the products will be disposed of in an environmentally sensitive manner. For additional information on used-oil recycling programs, please see the following:

- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.bcusedoil.com
- Manitoba – www.usedoilrecycling.com/en/mb

CONTACT INFO

For more information on this or any other CO-OP® lubricant product, please contact your local retail co-operative or Federated Co-operatives Limited.

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CO-OP® PREMIUM LUBRICANTS

HYDRAULIC MV

MULTI-VISCOSITY 22, 32

PRODUCT DESCRIPTION

HYDRAULIC MV is zinc based, anti-wear, premium hydraulic oils that maximize pump efficiency to reduce fuel/power consumption. It is blended with an excellent additive package that protects by preventing sludge, varnish and corrosion from occurring within a hydraulic system.

PERFORMANCE FEATURES

- Zinc-based, anti-wear additive package
- All-season performance
- Reduced fluid friction at low temperatures
- Multi-viscosity/high-viscosity index formulation
- Protection against premature wear of hydraulic pumps and circulating systems
- Oxidative stability protects hydraulic systems from oil thickening and varnish buildup
- Rust and corrosion protection
- Lower pour points allow these hydraulic oils to perform in extreme winter conditions.

APPLICATIONS

HYDRAULIC MV is typically recommended for heavy-duty hydraulic pump systems, specifically mobile equipment operating within a wide range of seasonal conditions. Can be used in a variety of commercial equipment with high speed, high pressure vane and gear pumps, along with bronze axial piston pumps. An ideal choice for electric utility maintenance equipment, enclosed gear sets, circulating systems, air compression/vacuum pumps and in select manufacturing applications.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	ISO VISCOSITY GRADE	
	MV 22	MV 32
Kinematic Viscosity cSt @ 40°C	22.5	32.7
Kinematic Viscosity cSt @ 100°C	5.0	6.5
Viscosity Index	155	158
Pour Point, °C	-45°	-48°

HYDRAULIC MV

MULTI-VISCOSITY 22, 32

PERFORMANCE SPECIFICATIONS

HYDRAULIC MV is approved and/or recommended and backed by Federated Co-operatives Limited Oil Guarantee for use in the following:

INDUSTRY/OEM	SPECIFICATIONS
EATON VICKERS	Industrial applications (I-286-S)/ Mobile applications (M-2950-S)/ 35VQ25
FIVES CINCINNATI	P68 (light hydraulic oil)/ P69 (heavy-medium hydraulic oil)/ P70 (medium-hydraulic oil)
PARKER DENSION	HF-0/HF-1/HF-2
U.S. STEEL	126, 127, 136

SAFETY DATA SHEETS

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PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	ISO VISCOSITY GRADE	
	MV 22	MV 32
18.9 L Pail	✓	✓
208 L Drum	✓	✓
1000 L Tote	✓	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
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- Manitoba – www.usedoilrecycling.com/en/mb

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CO-OP® PREMIUM LUBRICANTS

HYDRAULIC XHVI SYNTHETIC BLEND

ISO 32

PRODUCT DESCRIPTION

HYDRAULIC XHVI SYNTHETIC BLEND is a premium-quality, all-weather, zinc-based, anti-wear hydraulic fluid. The proprietary synthetic-blend formulation significantly advances its natural cold-weather abilities. This allows for increased productivity and hydraulic system protection in all weather conditions.

PERFORMANCE FEATURES

- Minimizing operating costs – All-season formulation reduces the need for seasonal changes allowing for inventory consolidation and increased service time
- All-Season Performance – Synthetic blend formulation increases cold-weather fluidity, amplifies system response times upon cold start and generates greater equipment protection in sub-zero conditions
- Anti-wear properties – Prevent premature wear of hydraulic system components
- Oxidation stability – Increases overall life of the lubricant and decreases sludge and varnish buildup that can significantly affect equipment reliability and operation

APPLICATIONS

HYDRAULIC XHVI SYNTHETIC BLEND is recommended for use in a wide variety of mobile and stationary hydraulic systems found in a variety of commercial equipment with high speed, high pressure vane and gear pumps, along with bronze axial piston pumps. An ideal choice for electric utility maintenance equipment, enclosed gear sets, circulating systems, air compression/vacuum pumps and in select manufacturing applications.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	ISO VISCOSITY GRADE
	32
Kinematic Viscosity cSt @ 40°C	32.0
Kinematic Viscosity cSt @ 100°C	7.0
Viscosity Index	200
Pour Point, °C	-55°

HYDRAULIC XHVI SYNTHETIC BLEND

ISO 32

PERFORMANCE SPECIFICATIONS

HYDRAULIC XHVI SYNTHETIC BLEND is approved and/or recommended and backed by the Federated Co-operatives Limited Oil Guarantee for use in the following:

INDUSTRY/OEM	SPECIFICATIONS
EATON VICKERS	Industrial applications (I-286-S)/ Mobile applications (M-2950-S)/ 35VQ25
FIVES CINCINNATI	P 68 (light hydraulic oil)/ P 69 (heavy–medium hydraulic oil)/ P 70 (medium hydraulic oil)
PARKER DENISON	HF-0/HF-1/HF-2

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs.

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	ISO VISCOSITY GRADE
	32
18.9 L Pail	✓
208 L Drum	✓
1000 L Tote	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.bcusedoil.com
- Manitoba – www.usedoilrecycling.com/en/mb

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HYDRAULIC ZINC FREE

ISO 46

PRODUCT DESCRIPTION

HYDRAULIC ZF is a zinc-free, anti-wear, multi-grade hydraulic oil. It is blended with a high-quality base oil and a sulphur-phosphorous anti-wear additive package, producing a hydraulic oil that is free of zinc and other heavy metals.

PERFORMANCE FEATURES

- Zinc-free, ashless, anti-wear additive package
- Inherently biodegradable for environmentally sensitive working conditions
- All-season performance protecting hydraulic equipment with superior cold start-up and high-temperature performance
- Exceptional vane and piston performance
- Oxidation and thermal stability with 8,000+ hrs, increasing the overall life of the oil and filter

APPLICATIONS

HYDRAULIC ZF is designed to be used in heavy-duty mobile hydraulic systems that contain soft or yellow metals, including silver-coated components.

*Note: This product should not be mixed with conventional zinc-based hydraulic oils. A complete system drain and flush is required upon change out.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	ISO VISCOSITY GRADE
	46
Kinematic Viscosity cSt @ 40°C	45.6
Kinematic Viscosity cSt @ 100°C	8.4
Viscosity Index	157
Pour Point, °C	-48°

HYDRAULIC ZINC FREE

ISO 46

PERFORMANCE SPECIFICATIONS

HYDRAULIC ZF is approved and/or recommended and backed by Federated Co-operatives Limited Oil Guarantee for use in the following:

INDUSTRY/OEM	SPECIFICATIONS
CINCINNATI MACHINE	P-70
DIN	51524 HVLP PART 2/3
PARKER DENISISON	HF-0 /HF-1 / HF-2
US STEEL	127

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs.

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	ISO VISCOSITY GRADE
	46
18.9 L Pail	✓
1000 L Tote	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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CO-OP® PREMIUM LUBRICANTS