



## Cherry Picker Oil

Super S Cherry Picker Oil is a premium grade, high viscosity index hydraulic oil designed for use in mobile and industrial equipment that is operated in a wide range of climates. In addition to outstanding low temperature properties, Cherry Picker Oil offers the following:

- Excellent oxidation stability
- Good shear stability
- Special friction properties for anti-chatter performance
- Proven antiwear capabilities in hydraulic use
- Good resistance to corrosion

Super S Cherry Picker Oil can be used in mobile hydraulically operated equipment, marine hydraulic deck equipment, fire trucks and fire boats, airport emergency vehicles, and electrical service equipment, "Cherry Pickers".

Super S Cherry Picker Oil 22 and 32 also meet a dielectric strength specification of minimum 25KV, making them suitable for use in high voltage electric service vehicles.

Typical Test Data		
ISO GRADE	22	32
Gravity API	30	30
cSt @ 40°C	23.8	32
cSt @ 100°C	4.6	5.4
Pour Pt. °F	-25	-25
Turbine Oil Stability Test, hrs.	2000+	2000+
Dielectric Strength, KV	35+	35+

*Smitty's Supply, Inc.*

*1-800-256-7575*

903-657-8794



# CHEVRON RYKON® OILS AW

## ISO 32, 46, 68

### CUSTOMER BENEFITS

Chevron Rykon Oils AW deliver value through:

- **High oxidation stability** — Longer service life than with conventional lubricants in high pressure service.
- **Rust and corrosion protection** — Gives excellent protection against corrosion of both copper and steel, and passes the ASTM D 665A distilled water rust test and ASTM D 665B synthetic sea water rust test.
- **Minimum viscosity change** over a wide temperature range.
- **Foam Inhibition** — Contains special foam suppressant. Eliminates both foaming and aeration problems.
- **Excellent antiwear properties**
- **Passes all major pump manufacturer's requirements** — Meets the requirements of leading hydraulic pump manufacturers for antiwear-type hydraulic fluids in both vane- and piston-type pumps.
- **Good stability in the presence of water** by ASTM D 2619 Hydrolytic Stability test and the Denison T6C Wet Vane Pump test.
- **Excellent thermal stability** in the presence of copper and steel at 135°C (275°F) by the Cincinnati Machine Thermal Stability, Procedure A, test.
- **Fast water separation** — Minimize rust problems by fast release of water.
- **Excellent filterability** — Excellent thermal and hydrolytic stability prevents formation of deposits which may interfere with filtration in equipment with close tolerances.

### FEATURES

Chevron Rykon Oils AW are designed to give maximum hydraulic pump protection.

Chevron Rykon Oils AW are formulated with ISOSYN® base stocks.

They provide excellent antiwear protection, oxidation and corrosion inhibition, as well as foam and aeration suppression.

All grades have excellent demulsibility characteristics.

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Hydraulic systems, due to the nature of their operation, experience accelerated wear unless they are protected by clean, high quality antiwear hydraulic oils. Surging pressures in pumps and valves can increase metal-to-metal contact unless antiwear protection is present. The antiwear additives in Chevron Rykon Oils AW create a protective film on the metal surfaces. This protective film minimizes metal-to-metal contact, which is most severe in vane- and gear-type pumps. As hydraulic pressures increase over 1000 psi, the need for antiwear protection increases proportionally.



### APPLICATIONS

Chevron Rykon Oils AW are most commonly used for hydraulics with vane- or gear-type pumps, especially where pressures exceed 1000 psi. They can also be used to lubricate lightly loaded reciprocating compressors and as general purpose shop lubricants for motors and bearings.

Chevron Rykon Oils AW meet AGMA Specification 1 (ISO 46) and Specification 2 (ISO 68).

Chevron Rykon Oils AW are certified by NSF and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

Chevron Rykon Oils AW:

- have **Eaton-Vickers** 35VQ25A pump approvals for M-2950-S (Mobile) and I-286-S (Stationary)
- have **Denison** HF-0/HF-2 approvals
- have **Bosch Rexroth** approvals as well as meeting pump manufacturer requirements of **Racine** Model S

Chevron Rykon Oils AW meet the requirements of:

- **Cincinnati Machine** P-68 (ISO 32), P-70 (ISO 46), and P-69 (ISO 68)
- **General Motors** LS2 Specification LH for antiwear hydraulic fluids.

8 January 2008  
IO-195

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

## TYPICAL TEST DATA

ISO Grade	32	46	68
Product Number	229001	229002	229003
MSDS Number	10910	10910	10910
AGMA Grade	—	1	2
API Gravity	32.6	31.8	31.6
Viscosity, Kinematic cSt at 40°C cSt at 100°C	30.4 5.2	43.7 6.5	64.6 8.4
Viscosity, Saybolt SUS at 100°F SUS at 210°F	157 44	225 48	335 54
Viscosity Index	98	97	99
Flash Point, °C(°F)	220(428)	226(439)	235(455)
Pour Point, °C(°F)	-33(-27)	-30(-22)	-30(-22)
Oxidation Stability Hours to 2.0 mg KOH/g acid number, ASTM D 943	>5000	>5000	>5000

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product and Company Identification

**Product Name: Cherry Picker Oil**

**Chemical Name: Hydraulic Oil**

**Chemical Family: Blend**

**Manufacturer: Smitty's Supply Inc.  
63399 Hwy 51 North  
Roseland, LA 70456**

**Emergency Telephone Number  
1-800-256-7575**

## 2. Composition/Information on Ingredients

Exposure Guidelines Component/CAS Number Limits for the product	OSHA				ACGIH		
	LO%	HI%	TWA	STEL	TWA	STEL	UNIT
Severely Solvent Refined Heavy Paraffinic Petroleum Oil			5		5		MG/M3
64741-88-4	90.00	100.00	5		5		MG/M3
Zinc Dialkyl Dithiophosphate					No Specific Limit		
68649-42-3	.00	1.00			No Specific Limit		
Acrylic Copolymer					No Specific Limit		
68171-46-0	.00	1.00			No Specific Limit		
Calcium Sulfonate					No Specific Limit		
61789-86-4	.00	1.00			No Specific Limit		
2-Ethylhexanol					No Specific Limit		
104-76-7	.00	1.00			No Specific Limit		
Additional Exposure Limits	-----Government Regulation						
Other Limit - Oil Mist: 5MG/M3	OSHA PEL/ACGIH TLV						

## 3. Hazard Identification

**Emergency Overview**

May cause skin irritation

Appearance: Amber Fluid

Odor: Slight Odor

**Potential Health Effects**

Inhalation: No effects expected. Ingestion: Practically non-toxic.

Eye Contact: Expected to be minor eye irritant.

Skin Contact: Practically non-toxic if absorbed (LD50>2000 MG/KG). May cause moderate irritation with prolonged or repeated contact.

Carcinogen Listed By: IARC(NO) NTP(NO) OSHA9(NO) ACGIH(NO) OTHER(NO)

## 4. First Aid Measures

Inhalation: Move to fresh air.

Eye Contact: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

Skin Contact: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

**NFPA/HMIS CLASSIFICATION**

HEALTH - 0/0

FLAMMABILITY - 1/1

REACTIVITY - 0/0

**HAZARD RATING**

0=LEAST

1=SLIGHT

2=MODERATE

3=HIGH

4=EXTREME

### 5. Fire Fighting Measures

Flashpoint (method): 405°F Minimum COC; 207°C Minimum COC

Flammable Limits: Not established

Autoignition Temp: 675°F Estimated; 359°C Estimated

Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), foam.

Fire Fighting Instructions: Avoid breathing smoke and vapor.

Fire Fighting Equipment: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

Hazardous Combustion Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

### 6. Accidental Release Measures

Spills or Leaks: Contain spill, advise EPA; state agency if required. Absorb on inert material, shovel, sweep or vacuum spill.

### 7. Handling and Storage

NFPA Class IIIB Storage. Wash thoroughly after handling.

### 8. Exposure Controls/Personal Protection

Ventilation: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.

Personal Protection Equipment

Eye: Splash proof chemical goggles recommended to protect against splash of product.

Gloves: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove material is acceptable: polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.

Respirator: Concentration in air determines protection needed. Use only NIOSH certified respiratory respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full face air purifying respirator with dust/mist filters of HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure demand full face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied air respirator with escape bottle or SCBA.

Other: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

### 9. Physical and Chemical Properties

Appearance/Odor: Amber Fluid/Slight Odor.  
 Vapor Pressure: <0.0001 (MM HG @ 20°C)  
 Molecular Weight: N/A (G/Mole)  
 Solubility in Water: NIL (% by volume)  
 Evaporation Rate: 1000X Slower (Ethyl Ether=1)  
 Specific Gravity: 0.86 (Water=1)  
 Viscosity: 330 SUS @ 100°F 68 CST @ 40°C

Boiling Point: High  
 Melting Point: N/A  
 Packing Density: N/A  
 Octanol/Water COEFF: N.D.  
 Odor Threshold: N.D.  
 Vapor Density: 10+ (air=1)

### 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known.

Materials to Avoid: Strong oxidizing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Combustion will produce carbon monoxide and asphyxiates.

**11. Toxicological Information**

For the Product-

Inhalation: Low acute toxicity.

Skin: Practically non-toxic if absorbed. Mild irritation with prolonged or repeated contact.

Eye: Mildly irritating on contact.

Oral: Practically non-toxic

Severely solvent refined heavy paraffinic petroleum oil inhalation: Low acute toxicity.

Ingestion: Practically non-toxic if swallowed.

Butylated Phenol: No data available for all routes of exposure.

Zinc Dialkly Dithiophosphate: Toxic hydrogen sulfide is generated when heated above 200°F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, and loss of sense of smell, muscle cramps, in coordination, unconsciousness, coma, respiratory failure, or death.

Acrylic Copolymer: No data available for all routes of exposure.

2-Ethylhexanol: Overexposure may cause nose, throat irritation, nasal discomfort and discharge, chest pain, cough, headache, nausea, vomiting. May cause corneal injury. May cause abdominal discomfort, nausea, vomiting, and diarrhea.

**12. Ecological Information**

Ecotoxicity: No data available

**13. Disposal Information**

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If "used", RCRA criteria (ignitability, reactivity corrosively, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

**14. Transportation Information**

DOT

Proper Shipping Name: Petroleum Lubricating Oil

Hazard Class: Not regulated

ID Number: Not regulated

Label Required: Not regulated

IMDG Proper shipping name: N.D.

IATA Proper shipping name: N.D.

**15. Regulatory Information**

TSCA: This material complies with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA inventory.

SARA 302 THRESHOLD PLANNING QUANTITY,

N/A

SARA 304 REPORTABLE QUANTITY

N/A

SARA 311/312 REPORTING:

Health	Immediate (Acute)	No
Health	Delayed (Chronic)	No
Physical	Fire	No
Physical	Sudden Release of Pressure	No

**16. Other Information**

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.