

EMSCO

Rebuild & Exchange Core Criteria Acceptance



A cost-effective alternative to purchase almost new components *with a comprehensive warranty*

For more details, please give us a call at 306-550-3599 or at 1-888-599-8908

EMSCO rebuild component's warranty period is **12 months or 1,500 hours** whichever occurs first.

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ENGINE

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed
2. Fully assembled - Complete and no missing parts
3. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
4. Cylinder block is not crack, broken or welded
5. Crankshaft must rotate 360 degrees twice clockwise and once anti-clockwise
6. Acceptable arrangement number or part number

Partial Core Credit

1. Failed and non-operational core
2. Not fully assembled and no scavenge of major parts
3. Does not pass rotation test
4. Cylinder block is damaged and can be cracked or broken
5. Cylinder head is damaged and can be cracked or broken
6. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Any combination of item 4 and item 5 would constitute to “**NO CORE CREDIT**”.

No Core Credit

1. Operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
2. Core assembled from scrap with evidence of unsuccessful attempt to salvage
3. Unacceptable part number

Note: Additional charges

- Complete running core found with scavenged or assemble from scrap will be rejected and be charge \$300 for inspection.
- Cores not returned with EMScope supplied stand are subject to a charge ranging from \$2,500 to \$8,000.
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are liable for fines during transportation. EMScope can assist with additional charge.



TORQUE & TRANSMISSION

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed. Must pass rotation test - input and output shaft rotation in one direction twice must rotate freely without noise, rubbing, vibration or looseness of parts.
2. Housing, case, splines and shafts cannot be cracked, broken or welded.
3. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
4. Complete and fully assembled.
5. Acceptable part number

Partial Core Credit

1. Failed and non-operational core
2. Housing, case, splines, and shafts can be cracked, broken, or welded.
3. Internal failure such as bearing, gear, carrier is allowed
4. Complete and fully assembled.
5. Acceptable part number
6. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

No Core Credit

1. Unacceptable part number
2. Disassembled and not complete
3. Scavenge cores and unsuccessful salvage attempt
4. No operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Additional charges

- Missing, removed, cracked, broken or welded parts such as valves, yokes, filter housing, pumps and electronic controls components will incur additional charge.
- Cores not returned with EMSCO supplied stand are subject to a charge ranging from \$2,500 to \$5,000.
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMSCO can assist with additional charge.



DIFFERENTIAL

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed. Must pass rotation test - pinion shaft must turn 2 full rotations in each direction.
2. Housing and spider gears cannot be cracked, broken, or welded.
3. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
4. Complete and fully assembled.
5. Acceptable part number

Partial Core Credit

1. Failed and non-operational core
2. Complete parts but not fully assembled
3. Housing can be cracked, broken, or welded
4. Crown and pinion gear can be chipped, cracked, or broken
5. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

No Core Credit

1. Unacceptable part number
2. Disassembled and not complete
3. Scavenge cores and unsuccessful salvage attempt
4. Non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Additional charges

- Missing parts or components
- Cores not returned with EMScope supplied stand are subject to a charge of \$2,500.
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMScope can assist with additional charge.



STEERING CLUTCH & BRAKE

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed.
2. Housing and Hub **NOT** cracked, broken or welded
3. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
4. Complete and fully assembled.
5. Acceptable part number

Partial Core Credit

1. Failed and non-operational core
2. Complete parts but not fully assembled
3. Housing can be cracked, broken, or welded
4. Bearings, retainer, springs, plates, and discs failure acceptable
5. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

No Core Credit

1. Unacceptable part number
2. Disassembled and not complete
3. Scavenge cores and unsuccessful salvage attempt
4. Non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Additional charges

- Missing and scavenged parts / components, non like for like parts will incur additional charge.
- Cores not returned with EMSCO supplied stand are subject to a charge ranging from \$2,500 to \$5,000.
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMSCO can assist with additional charge.



FINAL DRIVE

EMSCO Core Acceptance Criteria

Full Core Credit

1. Fully assembled and complete. Must be running core and **NOT** failed.
2. No non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling
3. Must be returned on component stand if provided
4. Must pass rotation test requirement (1 complete turn forward and 1 complete turn reverse)
5. Wheel hub, spindle, gears, and carrier must not be cracked or broken
6. Acceptable part number

Partial Core Credit

1. Non-operational core - failed
2. Can have damaged gears or teeth
3. Broken or crack hubs, carrier, spindle is acceptable
4. Not assembled fully, but complete
5. No non-operational damage - Fire damage, torch marks, excessive rust or corrosion, and mishandling

No Core Credit

1. Non-operational damage - Fire damage, torch marks, excessive rust or corrosion, and mishandling
2. Scavenged core - assembled from scrap parts
3. Unacceptable part number
4. Unsuccessful attempts to salvage
5. Disassembled and not complete

Note: Additional charges

- Cores not returned with EMSCO supplied stand are subject to \$2,500 charge
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMSCO can assist with additional charge.



HYDRAULIC PUMP & MOTOR

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed. Must be able to rotate shaft twice in each direction
2. Fully assembled - Complete and no missing parts
3. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling
4. Housing is not cracked, broken, or welded
5. External shaft not cracked, broken, or bent and splines on shaft must be reusable - not stripped or damaged
6. Acceptable part number

Partial Core Credit

1. Failed and non-operational core
2. Housing, external shaft cracked, broken, or welded
3. External shaft splines are cracked, chipped, broken, or stripped
4. Complete and fully assembled.
5. Acceptable part number
6. No non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: *Combination of item 2 and item 3 present, then the core is a "**NO CORE CREDIT**".*

No Core Credit

1. Unacceptable part number
2. Disassembled and not complete
3. Scavenge cores and unsuccessful salvage attempt
4. Non-operational damage such as fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Additional charges

- Missing parts or components may incur additional charge.
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMSCO can assist with additional charge.



HYDRAULIC CYLINDER

EMSCO Core Acceptance Criteria

Full Core Credit

1. Operational Core and **NOT** failed. Must be able to extend and retract fully each direction
2. Fully assembled - Complete and no missing parts
3. No non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling
4. Acceptable part number
5. No damage of any kind to rod and cylinder. Rod and Cylinder must not be welded, cracked, broken, or bent.
6. Both eyes and trunnion are not cracked or broken and no damage from impact
7. Seal leakage is acceptable

Partial Core Credit

1. Failed and non-operational core
2. Not fully assembled but complete
3. Rod cracked, broken, or bent. Rod with gouges or grooves is acceptable
4. Trunnion and eye can be cracked, broken, or welded
5. Cylinder (barrel) can be ruptured, cracked, gouged internally, or broken
6. No non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling
7. Acceptable part number

Note: Any combination from item 3, 4, and 5 is present, then the core is "**NO CORE CREDIT**".

No Core Credit

1. Unacceptable part number
2. Disassembled and not complete
3. Scavenge cores and unsuccessful salvage attempt
4. Non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling

Note: Additional charges

- Missing parts or components may incur additional charge.
- All Nitrogen gas and fluids must be released and drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMScope can assist with additional charge.
- Cores not returned with EMScope supplied stand are subject to a charge ranging from \$1,500 to \$3,000.



SWING DRIVE

EMSCO Core Acceptance Criteria

Full Core Credit

1. Fully assembled and complete. Must be running core and **NOT** failed.
2. No non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling
3. Acceptable part number
4. Must pass rotation test requirement (1 complete turn forward and 1 complete turn reverse)

Partial Core Credit

1. Non-operational core - failed
2. Can have damaged gears or teeth
3. Housing cracked, broken, or welded
4. Output pinion gear cracked, broken, or welded (damaged)
5. Ring gear cracked, or broken
6. Not assembled fully but complete
7. No non-operational damage - Fire damage, torch marks, excessive rust or corrosion, and mishandling

Note: Any combination from items 3, 4, and 5 are present, then the core is "**NO CORE CREDIT**".

No Core Credit

1. Non-operational damage - Fire damage, torch marks, excessive rust or corrosion, and mishandling
2. Scavenged core - assembled from scrap parts
3. Unacceptable part number
4. Unsuccessful attempts to salvage
5. Disassembled and not complete

Note: Additional charges

- Cores not returned with EMSCO supplied stand are subject to \$2,500 charge
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMSCO can assist with additional charge.



CIRCLE DRIVE

EMSCO Core Acceptance Criteria

Full Core Credit

1. Fully assembled and complete with motor. Must be running core and **NOT** failed.
2. No non-operational damage - fire damage, torch marks, excessive rust or corrosion and mishandling
3. Acceptable part number
4. Must pass rotation test requirement (1 complete turn forward and 1 complete turn reverse)
5. Housing and cover, drive pinion is not cracked, broken, or welded

Partial Core Credit

1. Non-operational core - failed
2. Fully assembled and come with motor.
3. Main Housing is **NOT** cracked, broken, or welded
4. Drive pinion can be cracked, broken, or welded.
5. No non-operational damage - fire damage, touch marks, excessive rust or corrosion and mishandling

No Core Credit

1. Non-operational damage - Fire damage, torch marks, excessive rust or corrosion, and mishandling
2. Scavenged core - assembled from scrap parts
3. Unacceptable part number
4. Unsuccessful attempts to salvage
5. Disassembled and not complete

Note: Additional charges

- Cores not returned with EMScope supplied stand are subject to \$2,500 charge
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping. We are not liable for fines during transportation. EMScope can assist with additional charge.



AXLE ASSEMBLY with HOUSING – FIXED or OSCILLATING

EMSCO Core Acceptance Criteria

Full Core Credit

1. Acceptable part number – OEM
2. Complete and fully assembled. Non-failed and operational core
3. No non-operational damage (excessive rust / corrosion, fire damage, mishandling or torch marks)
4. Housing, case, and trunnion support (oscillating axle) not visibly cracked, broken or welded

Partial Core Credit

1. Non-operational core – failed
2. Not fully assembled.
3. Case, Housing, and trunnion support (oscillating axle) visibly cracked, broken or welded

No Core Credit

1. Unacceptable part number – Non OEM
2. Evidence of unsuccessful attempts to salvage
3. Fire damage
4. Scavenged core (assembled from scrap / bad cores)

Note: Additional charges

- Cores not returned with EMSCO supplied stand are subject to \$2,500 charge or more
- Missing parts or components not matching axle
- All fluids must be drained from core with all openings seal with plugs and covers prior to shipping.
We are not liable for fines during transportation. EMSCO can assist with additional charge.

EMSCO WARRANTY STATEMENT

EMSCO warrants our rebuild and exchange components to be free from defects in material and workmanship for a period of 12 months or 1,500 hours, whichever occurs first to the initial user.

Limitations

EMSCO is not responsible for:

- Failures resulting from improper use or installation, including components installed in contaminated systems.
- Failures resulting from misapplication, neglect, abuse and/or improper storage.
- Failures resulting from normal wear and tear.
- Failures resulting from continued use even after the user is aware of the component is failing.
- Failures resulting from unauthorized modifications or adjustments

Regina	306-550-3699
Saskatoon	306-373-0332
Grande Prairie	587-323-3400
Toll Free	1-888-599-8908

1810 Industrial Drive
RM of Sherwood,
Saskatchewan S4K 0A6
Canada

