



AN/FO TRUCK

**MODEL
S2-AN/FO**



FEATURES

- Field-proven articulated carrier with clean emission diesel engine and heavy-duty powertrain
- Unsurpassed high capacity AN/FO loading: available with standard single 454 kg (1,000 lb.) vessel or two vessel ranging from 250 kg (550 lb.) to 900 kg (2,000 lb.) each
- 9 300 mm x 7 620 mm (30' 6" x 25' 0") face coverage with self-levelling aerial DUX DBB14 man basket boom, optional scissor lift platform available
- Remote AN/FO push-button-type controls for upper and lower level operation
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

WEIGHTS

Machine weight, approx..... 15.9 tonne..... 17.5 ton

OVERALL DIMENSIONS

Length..... 12 350 mm.....40' 6"
 Width.....2 440 mm.....8' 0"
 Height2 440 mm.....8' 0"

TURNING RADIUS

Inside.....4 650 mm..... 15' 3"
 Outside..... 8 025 mm.....26' 4"
 Angle44°

AN/FO VESSELS

- Available with single or two AN/FO stainless steel pressure vessels with different capacities and configuration. Each vessel comes with controls and systems



P1-AN/FO Truck with operator compartment located behind front tires.



DUX Model S2-AN/FO Truck

TECHNICAL SPECIFICATIONS*

Engine

Make and model Cummins QSB 4.5 with Electronic Management System
Derated power 110 kW (148 HP) @ 2300 RPM
Cylinders 4
Aspiration Turbocharged and charge air cooled
Displacement 4.5 L 275 in³
Starter 24-volt
Air intake cleaner Donaldson 2-stage dry type with service gauge
Exhaust system Catalytic purifier with integrated silencer
Cooling Liquid
Emission standard Meets EPA Tier 3, Euro Stage IIIA

Transmission with Integrated Torque Converter

Make and model Dana SOH long drop HR24000 series with integrated torque converter and flex plate drive
Speeds 3 in forward and in reverse

Axles

Make and model Dana SOH 176 planetary with internal multiple wet-type 4-wheel disc brakes

Tires

– Bridgestone 12.00-24, 20 Ply Tube-Type E-3 mining tires

Brakes

Service 4-wheel power multi-internal wet disc, dual hydraulic power control with accumulator back-up
Emergency/parking Fail-safe back-up Spring Applied Hydraulic Released (SAHR) multi-internal wet 4 wheel brakes
Automatic Brake Applies brake in case of engine failure or
Applicator (ABA) pressure drop in torque converter

Steering

– Articulated frame hydraulic power steering
– Orbitrol valve-type with steering wheel and cushion valve
– Double acting steering cylinder (1)
– $\pm 44^\circ$ steering angle each way for a total of 88°

Oscillation

– $\pm 10^\circ$ center of oscillation for a total of 20°
– Large sized, heavy-duty roller bearing for minimum maintenance and a smooth ride, 4-wheel ground contact guaranteed

Frames and Pins

– Articulated heavy-duty frames made to withstand the high impact and torsional stress associated with mining application
– Frames come with five-year unlimited hour guarantee
– Large high tensile alloy steel pins in replaceable anchor bushings

Operator Compartment

– Side seated for maximum visibility and bi-directional operation
– Heavy-duty adjustable suspension seat with arm rests and seat belt
– Shock mounted compartment floor for maximum comfort
– All controls and gauges located within easy reach and view of operator

Hydraulic System

– Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
– Heavy-duty PTO driven gear-type pumps driven from converter
– Suction filter
– Inline high pressure filter with service gauge
– $\frac{3}{4}$ " inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
– Hose bulk-head located mid-ship

Tank Capacities

Fuel 170 L 45 US gallons
Hydraulic oil 170 L 45 US gallons

Electrical System

– 24-volt negative ground
– 80 amp alternator with integrated sealed voltage regulator
– Main electric cut-off switch
– Heat resistant, waterproof, sealed electric PMA wire harness
– Sealed junction box and stainless steel instrument panel box with multi-stem connectors
– Semi-automatic circuit breakers
– Front (2), rear (4), and all-directional (1) LED high-intensity lights
– Heavy-duty batteries (2)
– Signal horn
– Adjustable, adjustable back-up alarm

Aerial lift platform

Boom DUX Model DBB14
Type Self-leveling with 4 267 mm (14'-0") boom extension and 9 300 mm (30'-6") reach
Basket size 1 675 x 2 440 mm (5'-6" x 8'-0")
Safe lift capacity 400 kg (880 lb.)
Boom / basket swing $45^\circ / 50^\circ$ to either side
Face coverage 9 300 x 7 620 mm (30'-6" x 25'-0")
Emergency Power Pack 24 Volt electric/hydraulic emergency power pack with dual controls (one in basket and one in cab)

Standard Features

Automatic engine shut-off at low oil pressure and high temperature • Hourmeter • All necessary gauges for engine, converter and brake pressure not covered by PRAN electronic display module • Wheel chocks (2) with storage brackets (2) • Neutral engine start protection • Centralized manual lubrication manifold mid-ship • Triangular rear reflectors (2) • 9 kg (20 lb) hand-held fire extinguisher • Parts/Operator/Maintenance Manuals • Compliant with MSHA, CANMET and CE regulation

Options

Different engine • Different boom • Certified FOPS/ROPS canopy • Fully equipped certified FOPS/ROPS noise suppression cab • Automatic lubrication system • Fire suppression system • Spare rim assembly • Multi-purpose fork-lift attachment for one pallet mounted AN/FO module or pallet mounted grouting pump • On board compressor • OTHER OPTIONS ON REQUEST



Manufactured by:

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