



## 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"  
Height .....2 440 mm.....8' 0"

### TURNING RADIUS

Inside.....4 650 mm..... 15' 3"  
Outside..... 8 025 mm.....26' 4"  
Angle .....44°

### 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 in<sup>3</sup>  
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  $88^\circ$

### Oscillation

–  $\pm 10^\circ$  center of oscillation for a total of  $20^\circ$   
– 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 pres-  
sure 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



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