

FLT40

Hydex

Fuel and Lube Articulated Truck

The **HYDEX FLT40** from Articulated Truck Solutions offers extreme versatility in moving and delivering a wide variety of service products in all applications and underfoot conditions.



Special Features

- Full product filtration
- Ground level remote fill
- Tank level gauges
- Exterior and interior lighting packages
- Enclosed rear or side reel compartments
- Spring, hydraulic and electric reels available
- New and used filter storage
- Fully baffled product tanks
- Metering systems available

Specifications

Engine

| | | |
|-------------------------|-----------------|-----------|
| Engine Model | Cat® C15 ACERT® | |
| Gross Power – SAE J1995 | 350 kW | 469 hp |
| Net Power – SAE J1349 | 338 kW | 453 hp |
| Net Power – ISO 9249 | 342 kW | 458 hp |
| Net Power – EEC 80/1269 | 342 kW | 458 hp |
| Bore | 137 mm | 5.4 in |
| Stroke | 171.5 mm | 6.75 in |
| Displacement | 15.2 ltr | 926 cu.in |

Transmission

| | | |
|-----------|-----------|----------|
| Forward 1 | 8.9 km/h | 5.5 mph |
| Forward 2 | 12.1 km/h | 7.5 mph |
| Forward 3 | 16.4 km/h | 10.2 mph |
| Forward 4 | 22 km/h | 13.7 mph |
| Forward 5 | 30 km/h | 18.6 mph |
| Forward 6 | 40 km/h | 25.1 mph |
| Forward 7 | 54.7 km/h | 34 mph |
| Reverse 1 | 8.4 km/h | 5.2 mph |
| Reverse 2 | 11.6 km/h | 7.2 mph |

Standards

| | |
|----------|--------------------------|
| Brakes | ISO 3450 : 1996 |
| Cab/FOPS | ISO 3449 Level II : 2005 |
| Cab/ROPS | ISO 3471 : 2008 |
| Steering | ISO 5010 : 2007 |

Sound Levels

| | |
|--------------|----------|
| Interior Cab | 79 dB(A) |
|--------------|----------|

Engine Gross Power

| | |
|--------|--------|
| 350 kW | 469 hp |
|--------|--------|

Engine Net Power (ISO)

| | |
|--------|--------|
| 342 kW | 458 hp |
|--------|--------|

Capacities

| | | |
|-------------|------------|------------|
| Diesel Fuel | 18 927 ltr | 5000 USgal |
|-------------|------------|------------|

| | | |
|-------------|----------|------------|
| Oil Product | 3784 ltr | 1000 USgal |
|-------------|----------|------------|

| | | |
|----------|---------|-----------|
| Used Oil | 946 ltr | 250 USgal |
|----------|---------|-----------|

| | | |
|---------|---------|-----------|
| Coolant | 946 ltr | 250 USgal |
|---------|---------|-----------|

The Hydex FLT40 is supplied by **Articulated Truck Solutions LLP**

FLT40 Fuel and Lube Articulated Truck *Specifications*

Diesel Fuel Tank

| | | |
|---|------------|------------|
| Capacity | 18 927 ltr | 5000 USgal |
| PPE lanyard tie-off provision | | |
| Spring-actuated emergency/internal valve | | |
| 2 x Ground-level bottom-load quick fill system | | |
| Red/Yellow fill level warning lights with audible alarm | | |
| Electric level indicator system | | |

Product Tanks

| | | | |
|---|-----|---------|-----------|
| Oil Product (heated): | 4 x | 946 ltr | 250 USgal |
| Used Oil: | 1 x | 946 ltr | 250 USgal |
| New Coolant: | 1 x | 946 ltr | 250 USgal |
| Grease Hopper (heated): | 1 x | 500 kg | 1100 lb |
| Top-fill through hatch and bottom-fill provision | | | |
| All oil product tanks – A36 Steel construction | | | |
| Coolant tank – Type 304 stainless steel | | | |
| Interior baffles as required by size and configuration | | | |
| Under-tank high density rubber cushion mat | | | |
| Exterior full-height tank level sight gauges (protected) | | | |
| Filtered vents | | | |
| Auxiliary bottom tank drain with valve | | | |
| Tank overflow safety vent with overflow | | | |
| Indicator lamps at remote fill station | | | |
| 4 x high pressure new oil product discharge particulate filters | | | |

Pumping Systems

| | | |
|--------------|-----|---|
| Diesel: | 1 x | Hydraulic drive high volume pump |
| Oil Product: | 4 x | Direct-coupled hydraulic drive pump |
| Used Oil: | 1 x | Air operated diaphragm pump |
| New Coolant: | 1 x | Air operated diaphragm pump |
| Grease: | 1 x | Hydraulic drive high pressure/low volume pump |

Hose Reels

| | | |
|--------------------------------|-----|---|
| HV Diesel: | 1 x | Hydraulic rewind reel, 50' x 1 1/2" hose |
| LV Diesel: | 1 x | Spring rewind reel, 50' x 1" hose, automotive style |
| Swivelled light vehicle nozzle | | |
| Product Oil: | 4 x | Spring rewind reels, 50' x 1/2" hoses |
| Used Oil: | 1 x | Spring rewind reel, 50' x 1" hoses |
| Grease: | 1 x | Spring rewind reel, 50' x 3/8" HP grease hose |
| Air: | 1 x | Spring rewind reel, 50' x 1/2" hose |
| New Coolant: | 1 x | Spring rewind reel, 50' x 1/2" hose |

Rear Reel Compartment

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| Enclosed and insulated |
| Low-level for easy access |
| 2 x Compartment doors with mechanical stays |
| Heavy duty door latches |
| Removable panels for service access |

Air Compressor

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| 1 x 46 CFM air compressor |
| Automatic operation |
| 1 x 30 gallon reservoir |
| 1 x desiccant air dryer (with replaceable media) |

Hydraulic System

| |
|-------------------------------|
| Pressure and flow compensated |
| Load-sensing hydraulic pump |

Identification Lighting Group

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| LED rear Stop/Tail/Turn lights |
| Backup lights and alarm |
| LED side marker lighting group |
| 2 x amber LED strobe lights on lube body |

Side Compartments

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| Size and configuration dictated by available space |
|--|

Lighting Group

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|---|
| Weather-tight control enclosures with heavy-duty rotary switches and indicator lights |
| Exterior lighting controls are in truck cab, so operator can turn lights on before exiting cab |
| Basic tank-deck lighting |
| Basic interior reel compartment lighting |
| 8 x exterior 24 Vdc HID floodlights: <ul style="list-style-type: none">• 1 x driver side rear• 1 x kerb side rear• 4 x top rear to illuminate work area• 1 x floodlight driver side cab rail• 1 x floodlight kerb side cab rail |

All cab/chassis machine specifications are contained in the Cat 740 specalogue publication AEHQ6031

Materials and specifications are subject to change without notice.

See your Caterpillar dealer for standard and optional cab equipment.

Articulated Truck Solutions LLP

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