HYODO YUSHI TMO150 20L

20-liter robot gearbox lubricating oil identity

PUBLISHED PRODUCT IDENTITY

TMO150 20L is presented as a 20-liter robot gearbox lubricating-oil package. ABB official materials call the lubricant TMO 150 and document the Kyodo Yushi TMO 150 name in defined robot-maintenance procedures.

Scope at a glance

Record manufacturer	HYODO YUSHI
Complete model	TMO150 20L
Product type	Robot gearbox lubricating oil
Package size	20 L
Official ABB product-family title	TMO150 oil (10 or 20L)
Official manual designation	Kyodo Yushi TMO 150
Evidence limit	No unsupported viscosity, temperature, color or composition value is published

Verified related ApterPower product pages

- ABB TMO150 oil 3HAC032140-004
- ABB DSQC639 3HAC025097-001
- ABB DSQC609 3HAC14178-1
- ABB 3HAC043569-004
- ABB DSQC332
- ABB DSQC223 YB560103 BD/4

Verified technical data

Exact-product and host-procedure facts kept separate

Lubricant identity	TMO 150
Requested package identity	20 L
Official manufacturer spelling in ABB manuals	Kyodo Yushi
IRB 6660 documented location	Gearboxes of axes 2 and 3
IRB 6660 mixing rule	Do not mix Kyodo Yushi TMO 150 with other oil types
IRB 6660 refill rule	Fill amount depends on the amount previously drained
IRB 7600 documented context	Flushing primary gears axes 4/5 and gearbox axis 6
IRB 7600 host-specific amount	700 ml per gearbox per flush; three flushes
Safety prerequisite	Isolate electrical, hydraulic and air supplies before robot-area work
Configuration rule	Use the current maintenance manual for the exact robot, axis and gearbox

Verified related ApterPower product pages

- ABB TMO150 oil 3HAC032140-004
- ABB DSQC639 3HAC025097-001
- ABB DSQC609 3HAC14178-1
- ABB 3HAC043569-004
- ABB DSQC332
- ABB DSQC223 YB560103 BD/4

Documented maintenance contexts

Use only with the exact robot procedure and approved service plan

IRB 6660 AXES 2/3

Controlled gearbox-oil changing with documented filling, draining and ventilation plug locations.

IRB 7600 AXES 4/5

Robot-specific flushing of the primary gears after contamination with another oil type.

IRB 7600 AXIS 6

Robot-specific gearbox flushing with the documented drain and controlled service-motion sequence.

INSTALLED-BASE SERVICE

Label-led replenishment or replacement planning when the exact robot manual confirms TMO 150.

Application boundary

- The robot manual controls the fill quantity, plug torque, flushing steps and service motion.
- The lubricant label alone does not establish compatibility with an unlisted robot or gearbox.
- Do not infer substitute oils or mix products from different lubricant families.
- Where installed documentation differs, stop and resolve the exact robot and oil identity before work.

Verified related ApterPower product pages

ABB TMO150 oil 3HAC032140-004

ABB DSQC639 3HAC025097-001

ABB DSQC609 3HAC14178-1

ABB 3HAC043569-004

ABB DSQC332

ABB DSQC223 YB560103 BD/4

Technical questions

Answers limited to cited manufacturer evidence

What is HYODO YUSHI TMO150 20L?

It is the requested 20-liter package identity for TMO 150 robot gearbox lubricating oil.

How is the lubricant named in ABB manuals?

ABB robot manuals identify it as Kyodo Yushi TMO 150.

Can TMO150 20L be mixed with another oil?

No. The cited IRB 6660 procedure explicitly says not to mix Kyodo Yushi TMO 150 with other oil types.

Where does the IRB 6660 manual document TMO 150?

It is listed in the oil-change procedure for the gearboxes of axes 2 and 3.

What must be isolated before robot gearbox work?

The manual requires electrical power, hydraulic pressure and air pressure to be turned off before entering the work area.

How is refill quantity determined for IRB 6660?

The procedure states that the amount filled depends on the amount previously drained.

How is TMO 150 used in the IRB 7600 manual?

It is documented for flushing primary gears of axes 4/5 and the gearbox of axis 6 after contamination.

Are IRB 7600 values universal?

No. The 700 ml per gearbox per flush and three-flush requirement are specific to the cited IRB 7600 procedure.

Product precautions

Apply each control before handling or release

1. Confirm the complete TMO150 20L container label and retain its batch record.
2. Use the current approved maintenance manual for the exact robot, axis and gearbox.
3. Isolate electrical, hydraulic and pneumatic energy before robot-area work.
4. Do not mix Kyodo Yushi TMO 150 with any other oil type.
5. Use clean, dedicated filling equipment and a suitable oil collecting vessel.
6. Apply only the quantity, plug locations and torque stated for the exact host procedure.
7. Inspect all refitted plugs and the serviced area for leakage or contamination.
8. Record oil identity, quantity, date, robot identity and acceptance results before release.

ACCEPTANCE HOLD POINT

Do not return the robot to service until the applicable manual steps, leak inspection and documented functional checks are complete.

Evidence and related products

Manufacturer evidence with ApterPower contact details

Manufacturer evidence used

- ABB Robotics product page: TMO150 oil (10 or 20L), lubricating oil TMO 150.
- ABB Robotics Product manual - IRB 6660, 3HAC028197-001 Revision AG, oil-change procedure for gearboxes axes 2 and 3.
- ABB Robotics Product manual - IRB 7600, 3HAC022033-001 Revision AN, documented TMO 150 gearbox-flushing context.

Verified related ApterPower product pages

ABB TMO150 oil 3HAC032140-004

ABB DSQC639 3HAC025097-001

ABB DSQC609 3HAC14178-1

ABB 3HAC043569-004

ABB DSQC332

ABB DSQC223 YB560103 BD/4

Talk to Apter Power

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com