

# **Recommended Oils and Greases**

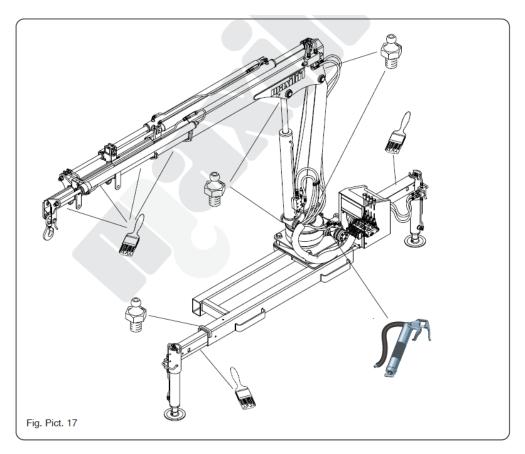
| Product:                                     | All        | Document No.         | ТЅ-025-В |
|--|------------|----------------------|----------|
| Revision Date:                               | 04/04/2025 | Revision No.         | В        |
| Relevant Models / Variants / Serial Numbers: |            | All Models as Listed |          |

Listed below are the manufacturers recommended Oils and Greases for all products. Always consult the manufacturers manuals for correct servicing procedures, service intervals and recommended serviceable consumables.

Below is the recommended grades of oils for the general climate in Australia. Always consult the manufacture regarding extraordinary climates and working conditions.

**Note:** If replacing, or topping up oil level, always confirm the grade of oil which is previously used in hydraulic system. If a different grade is being used, the entire system must first be flushed as to not cross-contaminate different grades / types of hydraulic oil.

#### Maxilift



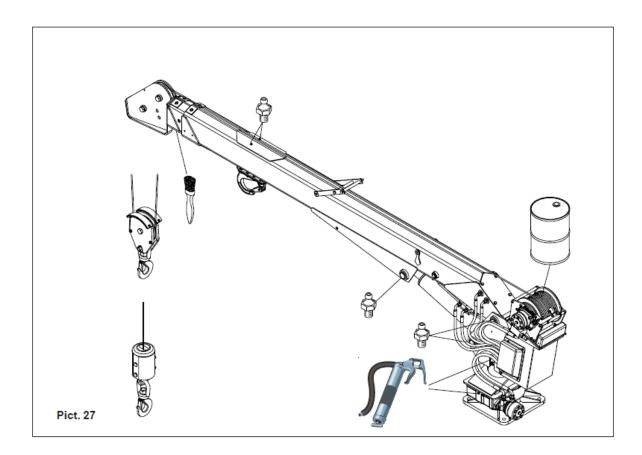
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| Lubricant Type   | Grade                                    |  |
|------------------|--|--|
| Hydraulic Oil    | ISO 46                                   |  |
| Winch Gearbox    | HLP ISO VG 46                            |  |
| General Grease   | MP / EP2                                 |  |
| Slew Gear Grease | WINN'S GS-80 / MOBILTAC-D / ESSO EDO-501 |  |

#### Cobra

| Lubricant Type   | Grade                                    |
|------------------|--|
| Hydraulic Oil    | ISO 46                                   |
| Winch Gearbox    | HLP ISO VG 46                            |
| General Grease   | EP2                                      |
| Slew Gear Grease | WINN'S GS-80 / MOBILTAC-D / ESSO EDO-501 |



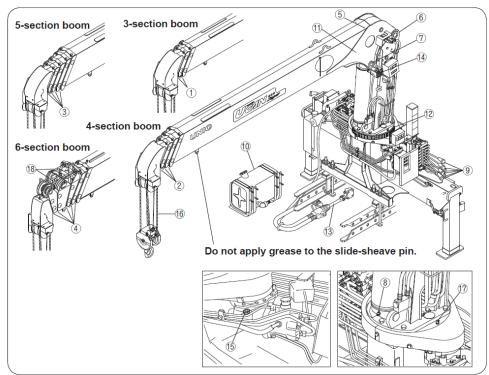
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## Unic

| Lubricant Type    | Grade   |
|-------------------|---|
| Hydraulic Oil     | ISO 46  |
| Winch Gearbox Oil | 15W-40  |
| Slew Gear Oil     | API Service GL-4 Gear Oil (Chevron Thuban GL4 90 / Shell Spirax EP90) |
| Molybdenum Grease | NLGI No.2   |
| Chassis Grease    | NLGI No.2   |

## **◆**2. Lubrication chart



| Service<br>interval | Part to be lubricate   | No. of part | Lubricant                                      | Tool               |
|---------------------|--|-------------|--|--------------------|
| Daily               | (DBoom slide plate (Underside/sides of boom sections (2), (3)) 3-section boom                | 2           | Molybdenum grease                              | Manual application |
|                     | ②Boom slide plate (Underside/sides of boom sections ②, ③, ④) 4-section boom                  | 3           | Molybdenum grease                              | Manual application |
|                     | ③Boom slide plate (Underside/sides of boom sections ②, ③, ④, ⑤) 5-section boom               | 4           | Molybdenum grease                              | Manual application |
|                     | (4)Boom slide plate (Underside/sides of boom sections (2), (3), (4), (5), (6) 6-section boom | 5           | Molybdenum grease                              | Manual application |
|                     | (5)Boom slide plate (Upper side of boom section (1))   | 2           | Molybdenum grease                              | Grease pump        |
|                     | 6 Boom foot pin  | 1           | Chassis grease                                 | Grease pump        |
|                     | ⑦Upper support pin of derrick cylinder   | 1           | Chassis grease                                 | Grease pump        |
|                     | (8) Lower support pin of derrick cylinder  | 1           | Chassis grease                                 | Grease pump        |
|                     | Ocontrol lever (pins on both sides and bearing)  | 2           | Chassis grease                                 | Manual application |
|                     | @Oil tank (59L)  | 1           | Hydraulic oil (up to<br>middle of level gauge) |                    |
| Weekly              | @Winch drum gear   | 1           | Chassis grease                                 | Grease pump        |
|                     | <sup>(2)</sup> Slewing gear (to gear-teeth)  | 1           | Chassis grease                                 | Manual application |
|                     | <sup>(3)</sup> Propeller shaft   | 3           | Chassis grease                                 | Grease pump        |
| Monthly             | @Winch reduction gear(approx.1.0L)   | 1           | Gear oil                                       |                    |
|                     | (5)Slewing reduction gear(approx.1.2L)   | 1           | Gear oil                                       |                    |
|                     | 16Wire rope  | 1           | Rope grease                                    | Spray gun          |
|                     | <sup>®</sup> Slewing bearings  | 2           | Chassis grease                                 | Grease pump        |
|                     | ®Wire rope for boom extension  |             | Rope grease                                    | Spray gun          |

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#### HIAB

NOTE : DO NOT USE MOLYBDENUM GREASE ON HIAB CRANES

| Lubricant Type | Grade   |  |
|----------------|---|--|
| Hydraulic Oil  | ISO 46 - See below for temperature specific grade   |  |
| Slew Gear Oil  | Hypoid Oil – API GL-5 / SAE J2360 – SAE-80W-90  |  |
| Grease         | Lithium Based Grease with EP additives – BP LS EP2 / ESSO UNIWAY EP2  |  |
| Glease         | N   |  |
|                | Image: Window of the set |  |
|                | Lubricate after every 50 hours of use.  |  |
| <b>}</b> -     |   |  |
| <b>)</b>       | Lubricate after every 16 hours of use.  |  |
|                |   |  |
|                | Lubricate every 3 months.<br>If the hoist is used less frequently than 3 months, lubricate before every use.  |  |

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## Effer Space

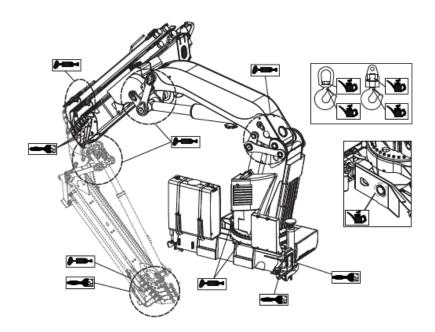
NOTE : DO NOT USE MOLYBDENUM GREASE ON EFFER SPACE CRANES

| Lubricant Type | Grade   |  |
|----------------|---|--|
| Hydraulic Oil  | ISO 46 - See below for temperature specific grade                               |  |
| Slew Gear Oil  | Hypoid Oil – API GL-5 / SAE J2360 – SAE-80W-90                                  |  |
| Grease         | Lithium Based Grease with EP additives – BP LS EP2 / ESSO UNIWAY EP2<br>N       |  |
|                |   |  |
| <b>/</b>       | Lubricate after every 16 hours of use.  |  |
|                |   |  |
|                | Lubricate after every 16 hours of use.   Lubricate every 3 months.              |  |
|                | If the hoist is used less frequently than 3 months, lubricate before every use. |  |

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| Effer Progress       |   |
|----------------------|---|
| Lubricant Type       | Grade   |
| Hydraulic Oil        | ISO 46 - See below for temperature specific grade                 |
| Slew Gear Oil        | SAE 90 for ambient temp above 20 degree Celsius                   |
| Molybdenum Grease    | Only for use on bronze made components                            |
| Lithium Based Grease | AGIP MUEP2 or equivalent for booms, Jib and Stabiliser Extensions |
| General Greasing     | Milex 2 (NILS) or grease type NILS ATOMIC RH                      |
| Winch                | ISO 46  |



|                   | ISO VG 32                             | ISO VG 46          | ISO VG 68   |
|-------------------|---------------------------------------|--------------------|---|
| Examples          | Tellus S2 V32                         | Shell TELLUS T 46  | Mobil SHC 526   |
|                   | Super 32                              | Texaco RANDO HDZ46 |   |
|                   | Hydrol L-HV 32                        | Agip ARNICA 46     |   |
| Where to use them |                                       |                    |   |
|                   | 17.3 1 Dates                          | all the set        |   |
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Tommy Gate

| Lubricant Type | Grade  |
|----------------|--------|
| Hydraulic Oil  | ISO 32 |