

# BELL EQUIPMENT TRACKED EXCAVATORS HD/HX HX230E LIEBHERR D934S



**ENGINE** Liebherr D934S  
Capacity: 29 liter

USE	CLIMATE
Extended, fuel sulfur level <0,005 %, ambient temperature > -10°C	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Armado Synth 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 10 hours, change every 500 hours*

USE	CLIMATE
Normal, fuel sulfur level 0,005 % - 0,05 %, ambient temperature > -10°C	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Armado Synth 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 10 hours, change every 250 hours*

USE	CLIMATE
Acceptable, fuel sulfur level 0,05% - 0,1%, ambient temperature > -10°C	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Armado Synth 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 10 hours, change every 125 hours*

USE	CLIMATE
Normal, fuel sulfur level <0,005 %, ambient temperature < -10°C	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Armado Synth 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 10 hours, change every 250 hours*

USE	CLIMATE
Acceptable, fuel sulfur level 0,005% - 0,05%, ambient temperature < -10°C	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Armado Synth 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 10 hours, change every 125 hours*

## PUMP REDUCTION UNIT

Capacity: 1,9 liter

USE	CLIMATE
Normal	Moderate

PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2
<b>Gearlube LS 80W-90</b>	

*Check every 50 hours, change every 500 hours*

## HYDRAULIC SYSTEM

Capacity: 500 liter (Hydraulic system including tank), Capacity: 290 liter (Hydraulic tank)

# BELL EQUIPMENT TRACKED EXCAVATORS HD/HX HX230E LIEBHERR D934S



USE		CLIMATE
Flexible (max)		Mediterranean
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Agridiesel CRD+ 15W-40</b>	<b>Dieselfleet CD+ 15W-40</b>	<b>Multifleet SHPD 15W-40</b>

*Check every 1500 hours, change every 2000 hours*

USE		CLIMATE
Flexible (max)		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Kroontrak MTH 10W-30</b>	<b>Synfleet SHPD 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 1500 hours, change every 2000 hours*

USE		CLIMATE
Severe		Mediterranean
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Agridiesel CRD+ 15W-40</b>	<b>Dieselfleet CD+ 15W-40</b>	<b>Multifleet SHPD 15W-40</b>

*Check every 250 hours, change every 500 hours*

USE		CLIMATE
Severe		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Kroontrak MTH 10W-30</b>	<b>Synfleet SHPD 10W-40</b>	<b>Armado Synth 5W-30</b>

*Check every 250 hours, change every 500 hours*

USE		CLIMATE
Severe (alternative)		Moderate
PRODUCT RECOMMENDATION 1		
<b>Perlus Biosynth 46</b>		

*Check every 250 hours, change every 500 hours*

USE		CLIMATE
Alternative, flexible (max)		Moderate
PRODUCT RECOMMENDATION 1		
<b>Perlus Biosynth 46</b>		

*Check every 500 hours, change every 2000 hours*

## GREASE POINTS/NIPPLES SWING BEARING

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Labora Grease</b>	<b>Q5 MP Calcep Grease EP 2</b>	<b>MP Lithep Grease EP 2</b>

*Change every 8 hours*

# BELL EQUIPMENT TRACKED EXCAVATORS HD/HX HX230E LIEBHERR D934S



## GREASE POINTS/NIPPLES SWING GEAR TEETH

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Labora Grease</b>	<b>Q5 MP Calcep Grease EP 2</b>	<b>MP Lithep Grease EP 2</b>

*Change every 8 hours*

## COOLING SYSTEM

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1	PRODUCT RECOMMENDATION 2	PRODUCT RECOMMENDATION 3
<b>Coolant SP 15+</b>	<b>Coolant SP 12</b>	<b>Coolant SP 11</b>

## SWING REDUCTION UNIT WITH POSITIONING SWING BRAKE

Capacity: 6 liter

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1		
<b>Gearlube LS 80W-90</b>		

*Check every 500 hours, change every 1000 hours*

USE		CLIMATE
Initial service		Moderate
PRODUCT RECOMMENDATION 1		
<b>Gearlube LS 80W-90</b>		

*Change every 500 hours*

## SWING REDUCTION UNIT WITH STOP BRAKE

Capacity: 6 liter

USE		CLIMATE
Normal		Moderate
PRODUCT RECOMMENDATION 1		
<b>Gearlube LS 80W-90</b>		

*Check every 500 hours, change every 1000 hours*

USE		CLIMATE
Initial service		Moderate
PRODUCT RECOMMENDATION 1		
<b>Gearlube LS 80W-90</b>		

*Change every 500 hours*

# BELL EQUIPMENT TRACKED EXCAVATORS HD/HX HX230E LIEBHERR D934S

**TRAVEL REDUCTION UNIT**

Capacity: 4,3 liter

USE	CLIMATE
Normal	Moderate

## PRODUCT RECOMMENDATION 1

**Gearlube LS 80W-90***Check every 500 hours, change every 2000 hours*

USE	CLIMATE
Initial service	Moderate

## PRODUCT RECOMMENDATION 1

**Gearlube LS 80W-90***Change every 500 hours*

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