



Compressor type

HRC 115-16-3-200-3B W

Data: 27.05.2022

Revision: 0

CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM



CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM

Compressor type
HRC 115-16-3-200-3B W

Compressor model

☒ = mandatory
☐ = check and corrective action if necessary

Data: 27.05.2022
REV.0

Group	Operation	Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
Lubrication	Oil filter replacements	GRFGR0000974	1	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Crank case oil replacements	MOBILDELVAC15W-40	8 lt.	20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Oil leak checking	--		10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filter	Last stage gas filter replacements	AIR3605251 + DCA20150		40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Gas suction filter cleaning or replacements		1	20	<input type="checkbox"/>									
	Instrument air filter replacements		1	5	<input type="checkbox"/>									



CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM

Compressor type
HRC 115-16-3-200-3B W

Compressor model

☒ = mandatory
☐ = check and corrective action if necessary

Data: 27.05.2022
REV.0

Group	Operation	Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
Gas Valve	1° stage suction gas valve replacements	ASM.VLV.18689	2	20				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	1° stage suction gas valve replacements KIT	ASM.VLV.18689-KIT	2	40		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	2° stage suction gas valve replacements	ASM.VLV.17750	2	10				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	2° stage suction gas valve replacements KIT	ASM.VLV.17750-KIT	2	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	3° stage suction gas valve replacements	KNOR063000230	2	10				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	3° stage suction gas valve replacements KIT	GRF063000230	2	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	1° stage discharge gas valve replacements	ASM.VLV.18690	2	20				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	1° stage discharge gas valve replacements KIT	ASM.VLV.18690-KIT	2	40		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	2° stage discharge gas valve replacements	ASM.VLV.17751	2	10				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	2° stage discharge gas valve replacements KIT	ASM.VLV.17751-KIT	2	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	3° stage discharge gas valve replacements	KNOR063000231	2	10				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	3° stage discharge gas valve replacements KIT	GRF063000231	2	20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Check Valve replacements	GR00580	1	20				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
	Check Valve KIT	GR00580REP	1	30		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Gasket valve seat KIT	GRF.KGVS-115-16-3-200-3B W	1	/		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM


Compressor type
HRC 115-16-3-200-3B W

Compressor model

☒ = mandatory
☐ = check and corrective action if necessary

Data: 27.05.2022
REV.0

Operation		Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
Piston Rings	1° stage rings replacements	CSE.PIS.ATP125001	2	60			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	1° stage rider replacements	CSE.SLY.2515377W	1				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	2° stage rings replacements	CSE.PIS.ATP09501	4	60			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	2° stage rider replacements	CSE.SLY.2515300W	4				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	3° stage rings replacements	CSE.PIS.ATP040001	8	75			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

		CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM												
		Compressor type HRC 115-16-3-200-3B W			Compressor model			✔ = mandatory ☐ = check and corrective action if necessary					Data: 27.05.2022 REV.0	
Operation		Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
Packing ass.	1° stage stepseals rod Z52	CSE.ROD.STEP035.002	2	90			✔		✔		✔		✔	
	1° stage glydring rod T46	CSE.ROD.GLYD035.001	2				✔		✔		✔		✔	
	2° stage stepseals rod Z52	CSE.ROD.STEP035.002	1				✔		✔		✔		✔	
	2° stage stepseals rod T46	CSE.ROD.STEP035.001	2				✔		✔		✔		✔	
	2° stage glydring rod T46	CSE.ROD.GLYD035.001	1				✔		✔		✔		✔	
	Leakage testing	--		20		✔	✔	✔	✔	✔	✔	✔	✔	✔
Safety Valve	Blow down safety Valve	TEC240-050-12-25	1	15	☐									
	1° stage safety valve	TEC240-050-12-65	1	15	☐									
	2° stage safety valve	TEC240-050-12-165	1	15	☐									
	3° stage safety valve	TEC240-050-12-300	1	15	☐									



CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM


Compressor type
HRC 115-16-3-200-3B W

Compressor model

☒ = mandatory
☐ = check and corrective action if necessary

Data: 27.05.2022
REV.0

Operation		Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
	Inter-stage pressure gauche verification			60		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inter-stage temperature gauche verification	N.A.												
	Temperature switch verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Crank case Lubrication oil pressure gauche verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Crank case Lubrication oil pressure transmitter verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cylinder lubrication pressure transmitter verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cylinder lubrication pressure gauche verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Tank oil level verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cylinder lubrication flow switch verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inlet pressure transmitter verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lubrication pressure transmitter verification					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Vibration sensor transmitter verification				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
cleaning	Gas cooler cleaning			360		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Compressor body cleaning			120		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Oil tank cylinder lubrication cleaning			20		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Instrument panel cleaning			15		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

		CNG COMPRESSOR PREVENTIVE MAINTENANCE PROGRAM												
		Compressor type HRC 115-16-3-200-3B W			Compressor model			☑ = mandatory ☐ = check and corrective action if necessary					Data: 27.05.2022 REV.0	
Operation		Parts code	Q. ty	Working time (min.)	Every 6 month	4000 h	8000 h	12000 h	16000 h	20000 h	24000 h	28000 h	32000 h	36000 h
DRIVE	Crank shaft bearing	CME.CBE.NU2315ECML	2	240					☑				☑	
	Bushing crosshead pin	CFD.CMP.CON.M001	3	40					☑				☑	
	Bearing connecting rod	CFD.CMP.CON.M002	3	75					☑				☑	
	Transmission joint check/replacements	PRJASM009715	1	480					☐				☐	
	Greasing motor bearing	MOBILPOLIREX-EM	45gr	15	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑