


## ACCOUNT INFORMATION :


Company name :		Address :
Email :		
Phone number :		


## COMPONENT INFORMATION :


Component name :	<b>GENERATOR PORT – ONAN 22,5 MDKBS 7052B – E070059760</b>	Lubricant : <b>SHELL RIMULA R4X</b>
Tracking number :		Grade : <b>15W40</b>

## SAMPLE INFORMATION :

Sampling point : <b>GAUGE</b>	Tracking number : <b>G117478</b>			<b>NEW</b>
<b>SEVERITY STATUS LEVEL</b>	Sample number : <b>0825889</b>		<b>1115434</b>	
	Date of received : <b>25/08/23</b>		<b>15/11/22</b>	
	Date of sampling : <b>04/08/23</b>		<b>20/10/22</b>	
	Total machine hours : <b>5 478</b>		<b>5202</b>	
	Lubricant service hours : <b>276</b>		<b>263</b>	
	Drain (D) / Sampling (S) : <b>D</b>		<b>D</b>	

	Status	Standards	Unit	Limits	Results	Results	Results
<b>OIL CONDITION :</b>					Black	Noir	light brown
Kinematic Viscosity at 100°C :		ASTM D445	mm2/s		14,35	14,37	14,9
Suit content :		DIN 51452	%	< 4,0	0,36	0,17	0

	Status	Standards	Units	Limits	Results	Results	Results
<b>CONTAMINATION :</b>							
Water content :		ASTM D1744	%	< 0,25	0,25	0,24	0,2
Dilution :		calculée	% v/v	< 2,0	0	0	0
Si		ASTM D5185	ppm	< 20 / 40 <	10	9	11
Na		ASTM D5185	ppm	< 100	5	10	0

	Status	Standards	Units	Limits	Results	Results	Results
<b>SPECTROMETRIC ANALYSIS</b>							
<b>Metal of wear :</b>							
Al		ASTM D5185	ppm	< 8 / 16 <	7	<b>8</b>	0
Fe		ASTM D5185	ppm	< 45 / 95 <	26	30	0
Cu		ASTM D5185	ppm	< 15 / 45 <	2	1	0
Pb		ASTM D5185	ppm	< 25 / 80 <	0	0	0
Sn		ASTM D5185	ppm	< 15 / 30 <	0	0	0
Cr		ASTM D5185	ppm	< 5 / 25 <	4	2	0
Ni		ASTM D5185	ppm	< 5 / 15 <	0	0	0
Ag		ASTM D5185	ppm	< 10	0	0	0
Cd		ASTM D5185	ppm	< 10	0	0	0
Ti		ASTM D5185	ppm	< 10	0	0	0
Vn		ASTM D5185	ppm	< 5	0	0	0
<b>Additives :</b>							
Ca		ASTM D5185	ppm		4444	3 261	3 757
Zn		ASTM D5185	ppm		1110	1 010	1 162
Mg		ASTM D5185	ppm		15	9	8
P		ASTM D5185	ppm		1244	881	1 158
K		ASTM D5185	ppm		5	0	0

## COMMENT

The parameters are still compliant, with no particular pollution to report. No specific wear either. The lubricant retains good properties.

Time of writing : 01/09/23 NM = Non Measurable