



## HARDESTY HARDESTY ONAN HARDESTY (S/N NOT GIVEN) - GENSET

Sample No: VPA055254
Oil Type: NOT GIVEN

SAMPLE INFORMATION					
Sample Date     11 Jul 2023	SAMPLE INFORMA	ATION			
Sample Date	Sample Number		VPA055254	 	
Machine Hours         93 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Oil Hours         0	•				
Oil Changed Sample Status         N/A				 	
Sample Status				 	
Oil Condition	_			 	
Visc @ 100°C         CSt         12.66	OIL CONDITION				
CONTIAMINATION           CONTIAMINATION           Soot %         %         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		cSt.	<b>12 66</b>	 	
CONTAMINATION  Soot % % 0 0					
Soot %	Oxidation (FA)	70	U		
Nitration (PA)	CONTAMINATION				
Sulfation (PA) % 0 Glycol % NEG	Soot %	%	<b>0</b>	 	
Glycol         %         NEG <td>Nitration (PA)</td> <td>%</td> <td>0</td> <td> </td> <td></td>	Nitration (PA)	%	0	 	
Fuel % <1.0 Silicon ppm	Sulfation (PA)	%	0	 	
Silicon       ppm       14 <t< td=""><td>Glycol</td><td>%</td><td>NEG</td><td> </td><td></td></t<>	Glycol	%	NEG	 	
Sodium	Fuel	%	<1.0	 	
WEAR METALS           Iron         ppm         12  -	Silicon	ppm	<b>14</b>	 	
WEAR METALS           Iron         ppm         112	Sodium	ppm	<b>6</b>	 	
Iron	Potassium	ppm	<b>2</b>	 	
Copper         ppm         13 </td <td>WEAR METALS</td> <td></td> <td></td> <td></td> <td></td>	WEAR METALS				
Copper         ppm         13 </td <td>Iron</td> <td>ppm</td> <td><b>12</b></td> <td> </td> <td></td>	Iron	ppm	<b>12</b>	 	
Lead       ppm       0            Tin       ppm       <1	Copper		<b>13</b>	 	
Aluminum ppm 2	· ·		<b>■</b> 0	 	
Aluminum ppm 2	Tin		<b>■&lt;1</b>	 	
Chromium       ppm	Aluminum		<b>2</b>	 	
Molybdenum         ppm         40  -	Chromium		<b>■&lt;1</b>	 	
Nickel         ppm         0 <td>Molybdenum</td> <td></td> <td>40</td> <td> </td> <td></td>	Molybdenum		40	 	
Titanium         ppm         <1			■0	 	
Manganese         ppm         2	Titanium		<1	 	
Vanadium         ppm         0   <	Silver	ppm	<b>■&lt;1</b>	 	
ADDITIVES  Calcium ppm 1780  Magnesium ppm 524  Zinc ppm 1122  Phosphorus ppm 944  Barium ppm 3	Manganese	ppm	2	 	
Calcium         ppm         1780              Magnesium         ppm         524              Zinc         ppm         1122              Phosphorus         ppm         944              Barium         ppm         3	Vanadium	ppm	0	 	
Magnesium         ppm         524  -	ADDITIVES				
Magnesium         ppm         524  -	Calcium	ppm	1780	 	
Zinc         ppm         1122              Phosphorus         ppm         944              Barium         ppm         3				 	
Phosphorus         ppm         944              Barium         ppm         3	_				
Barium ppm <b>3</b>					
DOLO PPIII	Boron	ppm	57	 	

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## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP867279Unique No:10559202Signed:Doug BogartReport Date:13 Jul 2023





