



MATIC MATIC WESTERBEKE 189913-HK - GENSET

Sample No: VPA058293
Oil Type: {unknown}

Sample Number	CAMPLE INFORMA	TION			
Sample Date		ATION			
Machine Hours			VPA058293	 	
Oil Changed N/A	Sample Date		03 Mar 2024	 	
Oil Changed N/A	Machine Hours		0	 	
NORMAL	Oil Hours		0	 	
Oil CONDITION	Oil Changed		N/A	 	
Visc @ 100°C	Sample Status		NORMAL	 	
CONTAMINATION Water % NEG	OIL CONDITION				
Water % NEG Soot % % 0.1 Soot % % 0.1 Soulfation (PA) % 38 Soulfation (PA) % 58 Soulfation (PA) % NEG NEG NEG NEG NE	Visc @ 100°C	cSt	■13.65	 	
Ned	Oxidation (PA)	%	59	 	
Soot %	CONTAMINATION				
Nitration (PA)	Water	%	NEG	 	
Sulfation (PA)	Soot %	%	■ 0.1	 	
Sulfation (PA)	Nitration (PA)	%	38	 	
Silicon Sili		%	58	 	
Fuel			NEG	 	
Solition	•	%	<1.0	 	
Sodium			■8	 	
New Year METALS New Year METALS New Year METALS No			_	 	
WEAR METALS Iron ppm 8				 	
Copper	WEAR METALS				
Copper ppm 1 <td>Iron</td> <td>ppm</td> <td>■8</td> <td> </td> <td></td>	Iron	ppm	■8	 	
Lead	Copper		1	 	
Tin ppm 17	• •			 	
Aluminum ppm 7			_	 	
Chromium ppm				 	
Molybdenum ppm 105 Nickel ppm 0 11 Silver ppm 0 Silver ppm 0			_	 	
Nickel ppm			_		
Titanium ppm 0 Silver ppm □ 0 Silver ppm □ 0	-				
Silver ppm □ 0			_		
Manganese ppm <1					
Vanadium ppm <1 ADDITIVES Calcium ppm 1302 Magnesium ppm 680 Zinc ppm 911 Phosphorus ppm 776 Barium ppm 0			_		
ADDITIVES Calcium ppm 1302 Magnesium ppm 680 Zinc ppm 911 Phosphorus ppm 776 Barium ppm 0					
Calcium ppm 1302 Magnesium ppm 680 Zinc ppm 911 Phosphorus ppm 776 Barium ppm 0		ppm	<1	 	
Magnesium ppm 680 -	ADDITIVES				
Magnesium ppm 680 -	Calcium	ppm	1302	 	
Zinc ppm 911 <td>Magnesium</td> <td></td> <td>680</td> <td> </td> <td></td>	Magnesium		680	 	
Phosphorus ppm 776 Barium ppm 0	Zinc		911	 	
Barium ppm 0				 	
	Boron	ppm	300	 	

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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:10911408Signed:Doug BogartReport Date:04 Mar 2024





