OIL ANALYSIS REPORT

AOS JOHN S KOHLER 33G6GMLD0006 - STARBOARD GENSET

Sample No: VPA051061

Oil Type: KOHLER 5W40 SYNTHETIC

SAMPLE INFORMATION

Sample Number		VPA051061	 	
Sample Date		25 Mar 2024	 	
Machine Hours		224	 	
Oil Hours		224	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OIL CONDITION				
Visc @ 100°C	cSt	10.1	 	
Base Number (BN)	mg KOH/g	10.0	 	
Oxidation (PA)	%	62	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	0.2	 	
Silicon	ppm	1 2	 	
Sodium	ppm	3	 	
Potassium	ppm	4	 	
WEAR METALS				
Iron	ppm	22	 	
Copper	ppm	9	 	
Lead	ppm	3	 	
Tin	ppm	1	 	
Aluminum	ppm	6	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	263	 	
Nickel	ppm	□<1	 	
Titanium	ppm	<1	 	
Silver	ppm	<1	 	
Manganese	ppm	3	 	
Vanadium	ppm	<1	 	
vanaulum	ррш	~1	 	
ADDITIVES				
Calcium	ppm	1419	 	
Magnesium	ppm	823	 	
Zinc	ppm	1066	 	
Phosphorus	ppm	917	 	
		-		

VOLVO Penta

Power Products Systems LLC 90 Bay State Road WAKEFIELD, MA US 01880 Contact: ERIC JELLISON ejellison@nedda.com T: (781)831-8924 F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VP153550

 Unique No:
 10951182

 Signed:
 Don Baldridge

 Report Date:
 02 Apr 2024

Report Id: VP153550 [WUSCAR] 06131717 (Generated: 04/02/2024 11:10:23) Rev: 1

ppm

ppm

3

295

Barium

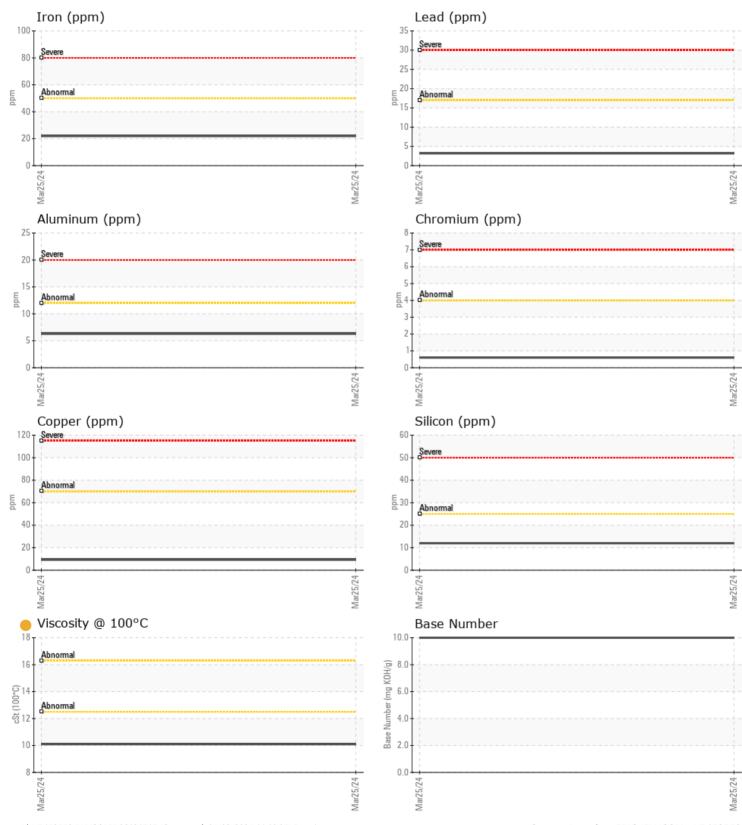
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Contact/Location: ERIC JELLISON - VP153550

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153550 [WUSCAR] 06131717 (Generated: 04/02/2024 11:10:25) Rev: 1

Contact/Location: ERIC JELLISON - VP153550