OIL ANALYSIS REPORT

VOLVO PENTA

LEHRMAN ONAN LEHRMAN (S/N NOT GIVEN) - GENSET

Sample No: VPA036358

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Sample Number		VPA036358	 	
Sample Date		28 Nov 2023	 	
Machine Hours		159	 	
Oil Hours		5	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.8	 	
Base Number (BN)	mg KOH/g	9.0	 	
Oxidation (PA)	%	63	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0	 	
Nitration (PA)	%	42	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	2	 	
Potassium	ppm	3	 	
WEAR METALS				
Iron	ppm	_ <1	 	
Copper	ppm	■<1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	7	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1645	 	
	ppm	145	 	
Magnesium	nnm	947	 	
Magnesium Zinc	ppm			
	ppm	826	 	
Zinc			 	

FULL KEEL MARINE SERVICES

314 LEGION AVE ANNAPOLIS, MD US 21401 Contact: Service Manager FULLKEELMARINESERIVES@GMAIL.COM T: (410)507-3542

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP1298996

 Unique No:
 10766437

 Signed:
 Don Baldridge

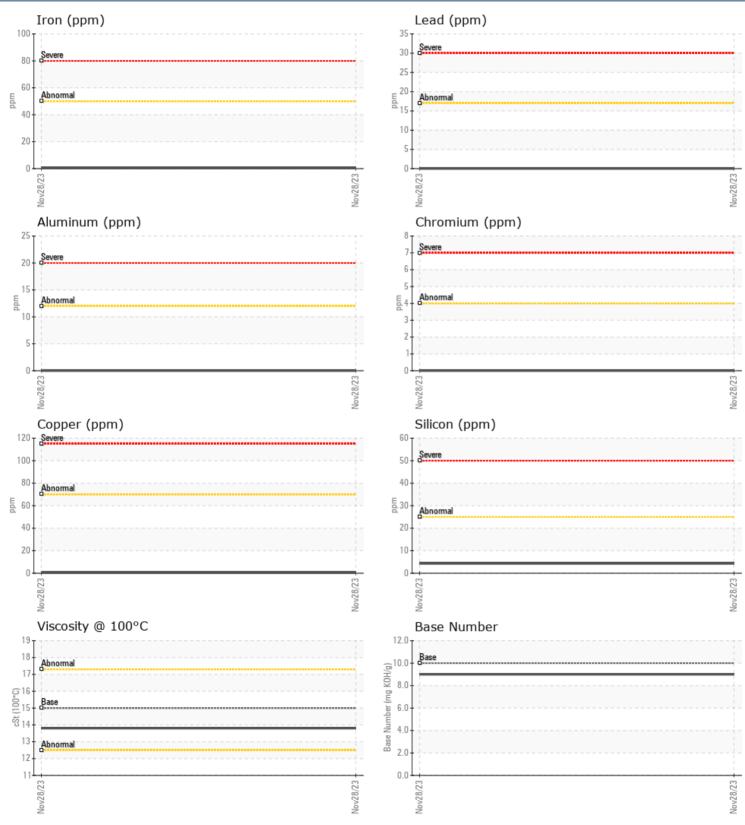
 Report Date:
 04 Dec 2023

Contact/Location: Service Manager - VP1298996

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1298996 [WUSCAR] 06021937 (Generated: 12/04/2023 14:11:04) Rev: 1

Contact/Location: Service Manager - VP1298996