OIL ANALYSIS REPORT

SWEET HOPE FISCHER PANDA SWEET HOPE (S/N NOT GIVEN) - GENSET

Sample No: VPA057036

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

Sample Number		VPA057036	VPA045330	
Sample Date		14 Dec 2023	06 Mar 2023	
Machine Hours		515	500	
Oil Hours		0	0	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	12.8	
Base Number (BN)	mg KOH/g	9.8	9.7	
Oxidation (PA)	%	55	57	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	40	48	
Sulfation (PA)	%	51	53	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	16	15	
Sodium	ppm	■ <1	2	
Potassium	ppm	 <1	0	
WEAR METALS				
Iron	ppm	 <1	4	
Copper	ppm	■ <1	<1	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	1	 <1	
Chromium	ppm	0	0	
Molybdenum	ppm	53	49	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	□ <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1013	1072	
Magnesium	ppm	940	885	
Zinc	ppm	1226	1102	
Phosphorus	ppm	956	907	
Barium Boron	ppm ppm	0 6	□ 0 □ 14	

Outstanding Marine

VOLVO PENTA

PO Box 274 GALENA, MD US 21635 Contact: Ronda Bolinger rlwb@verizon.net T: F·

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:
 VP153685

 Unique No:
 10792801

 Signed:
 Don Baldridge

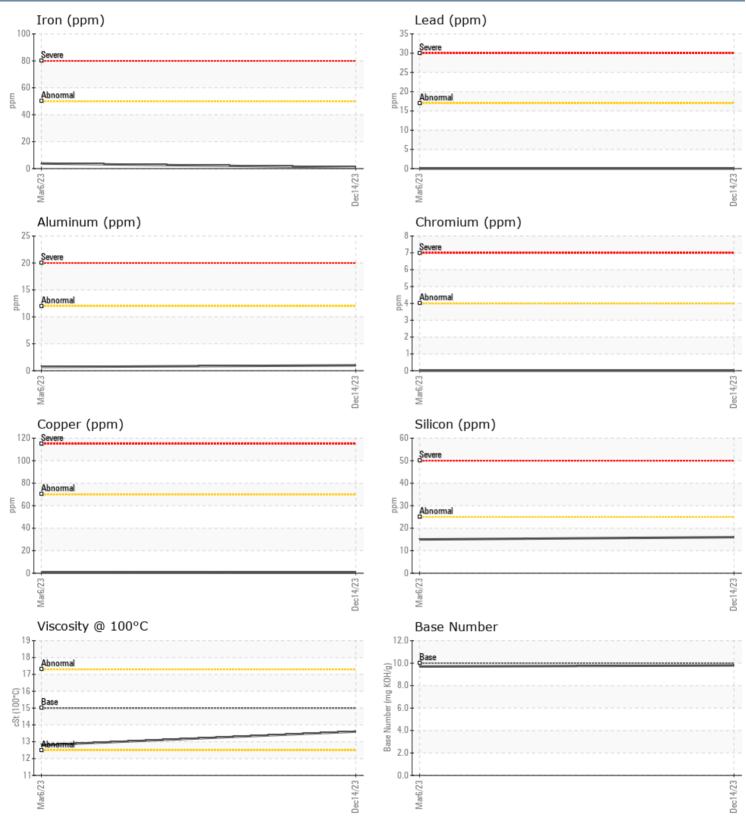
 Report Date:
 20 Dec 2023

Contact/Location: Ronda Bolinger - VP153685

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP153685 [WUSCAR] 06037572 (Generated: 12/22/2023 09:53:02) Rev: 1

Contact/Location: Ronda Bolinger - VP153685