VOLVO PENTA

OIL ANALYSIS REPORT

GOLDEN DAZE CUMMINS F160967683 - GENSET

Sample No: VPA036365

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

Sample Number		VPA036365	VPA046223	
Sample Date		29 Nov 2023	22 Feb 2023	
Machine Hours		595	568	
Oil Hours		0	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	13.1	
Base Number (BN)	mg KOH/g	9.9	10.0	
Oxidation (PA)	%	54	55	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0	0.1	
Nitration (PA)	%	38	40	
Sulfation (PA)	%	50	51	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	∎4	6	
Sodium	ppm	□ <1	 <1	
Potassium	ppm	0	2	
WEAR METALS				
Iron	ppm	0	 <1	
Copper	ppm	□ <1	0	
Lead	ppm	0	 <1	
Tin	ppm	0	 <1	
Aluminum	ppm	■ <1	 <1	
Chromium	ppm	0	0	
Molybdenum	ppm	62	56	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	■0	□ <1	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1184	1124	
Magnesium	ppm	1130	967	
Zinc	ppm	1542	1319	
Phosphorus	ppm	1229	1035	
Barium	ppm	0	0	
Boron	ppm	0	3	

FULL KEEL MARINE SERVICES

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

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:
 10767386

 Signed:
 Don Baldridge

 Report Date:
 05 Dec 2023

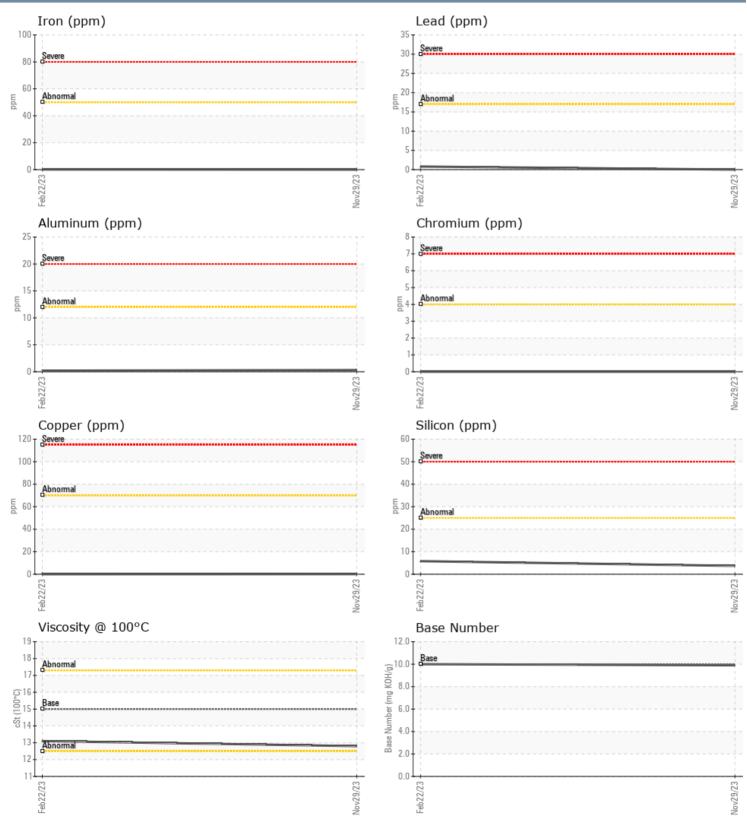
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Contact/Location: Service Manager - VP1298996

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1298996 [WUSCAR] 06022886 (Generated: 12/05/2023 12:54:28) Rev: 1

Contact/Location: Service Manager - VP1298996