OIL ANALYSIS REPORT

VOLVO PENTA

ONAN D160948990 - PORT GENSET

Sample No: VPA060880

Oil Type: DIESEL ENGINE OIL SAE 40

Sample Number		VPA060880	 	
Sample Date		22 Jan 2024	 	
Machine Hours		1383	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.8	 	
Base Number (BN)	mg KOH/g	8.1	 	
Oxidation (PA)	%	65	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	0	 	
Potassium	ppm	8	 	
WEAR METALS				
Iron	ppm	6	 	
Copper	ppm	1	 	
Lead	ppm	1	 	
Tin	ppm	1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	9	 	
Nickel	ppm	1	 	
Titanium	ppm	 <1	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1926	 	
Magnesium	ppm	134	 	
Zinc	ppm	1173	 	
Phosphorus	ppm	956	 	
Barium	ppm	 <1	 	
Boron	ppm	171	 	

FDDA FT PIERCE - POWER CENTER

FORT PIERCE, FL US Contact: KYLE GRASER k.graser@kirbycorp.com T:

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:
 VP208659

 Unique No:
 10844808

 Signed:
 Sean Felton

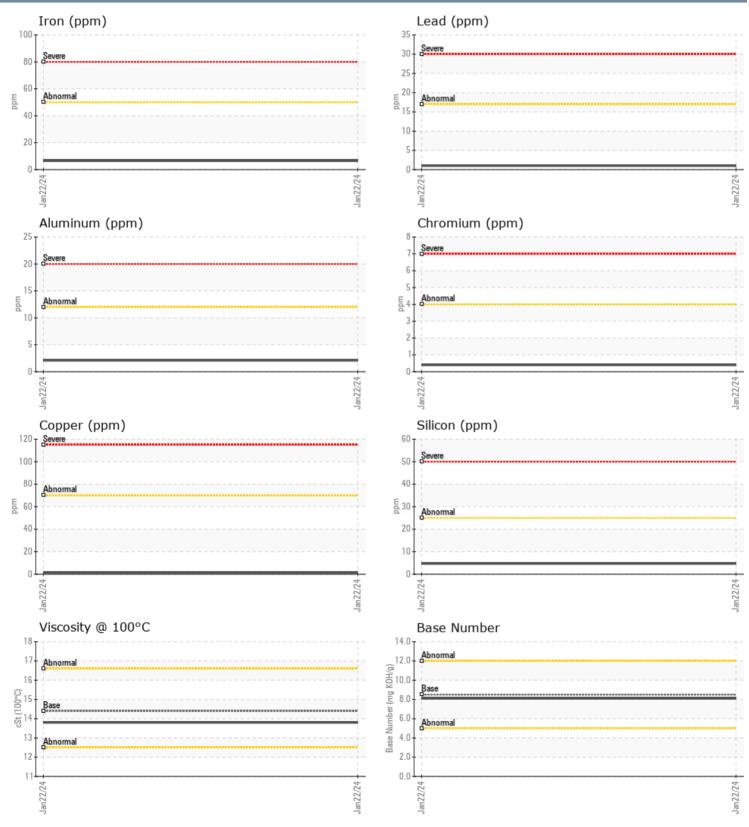
 Report Date:
 25 Jan 2024

Contact/Location: KYLE GRASER - VP208659

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP208659 [WUSCAR] 06068131 (Generated: 01/25/2024 13:33:06) Rev: 1

Contact/Location: KYLE GRASER - VP208659