OIL ANALYSIS REPORT

VOLVO PENTA A284256 - PORT DIESEL ENGINE

Sample No: VPA053248

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

Sample Number		VPA053248				FDDA FT PIERCE - POWER CENTE
Sample Date		17 Apr 2024				FDDA FT PIERCE - POWER CENTE
Machine Hours		541				
Oil Hours		3				FORT PIERCE, FL
Oil Changed		Not Changd				US
Sample Status		NORMAL				Contact: KYLE GRASER
						k.graser@kirbycorp.com T:
OIL CONDITION						F:
Visc @ 100°C	cSt	13.64				
Oxidation (PA)	%	54				Diagnasia
CONTAMINATION						Diagnosis
CONTAMINATION						No corrective action is recommend at this time. Resample at the next
Water	%	NEG				service interval to monitor.All
Soot %	%	0.1				component wear rates are normal.
Nitration (PA)	%	38				There is no indication of any
Sulfation (PA)	%	50				contamination in the oil. The
Glycol	%	NEG				condition of the oil is acceptable for
Fuel	%	<1.0				the time in service.
Silicon	ppm	5				
Sodium	ppm	0				
Potassium	ppm	0				
WEAR METALS						
Iron	ppm	23				
Copper	ppm					
Lead	ppm	0				
Tin	ppm	0				
Aluminum	ppm	□ 19				
Chromium	ppm	2				
Molybdenum	ppm	60				
Nickel	ppm	■ <1				
Titanium		0				
Silver	ppm	0				
	ppm	-				
Manganese Vanadium	ppm ppm	■ <1 <1				
ADDITIVES	p p					
Calcium	ppm	1081				
Magnesium	ppm	1046				
Zinc	ppm	1352				
Phosphorus	ppm	1082				
Barium	ppm	0				
Boron	ppm	2				
						Depot: VP208659

Report Id: VP208659 [WUSCAR] 06153582 (Generated: 04/18/2024 16:46:31) Rev: 1

Signed: Doug Bogart Report Date: 18 Apr 2024

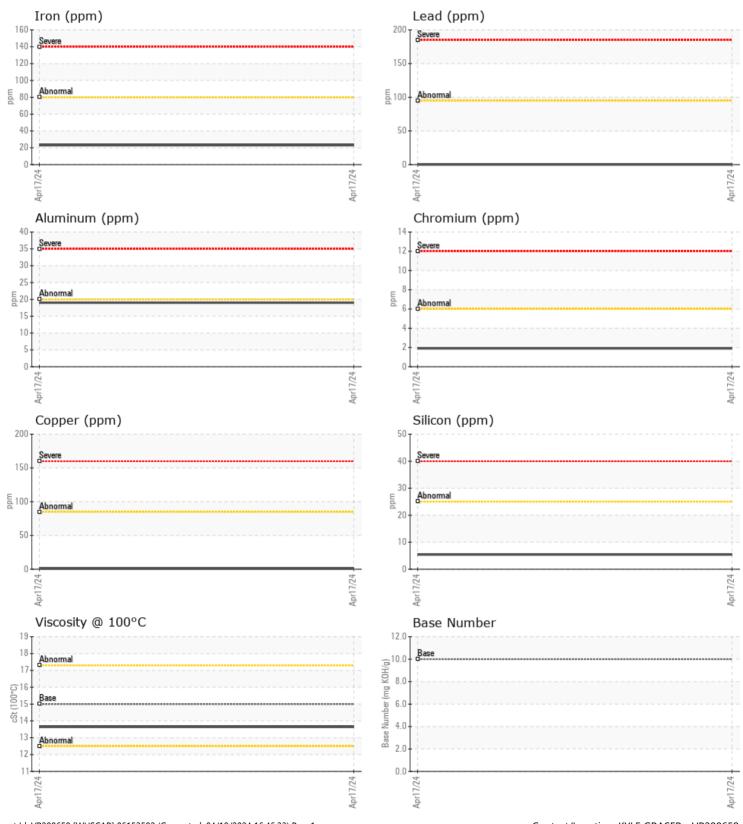
Contact/Location: KYLE GRASER - VP208659



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: KYLE GRASER - VP208659