OIL ANALYSIS REPORT



VOLVO PENTA 3200003536 - STARBOARD IPS

Sample No: VPA056279

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORM	ATION					
Sample Number Sample Date		VPA056279 13 Nov 2023				FDDA FT PIERCE - POWER CENTER
Machine Hours		68				
Oil Hours		0				FORT PIERCE, FL
Oil Changed		Not Changd				US
Sample Status		NORMAL				Contact: KYLE GRASER
			_	_	_	k.graser@kirbycorp.com
OIL CONDITION						T:
Visc @ 40°C	cSt	99.9				F:
CONTAMINATION						Diagnosis
		4				No corrective action is recommended
Silicon	ppm	4				at this time. Resample at the next
Sodium	ppm	5				service interval to monitor.All
Potassium	ppm	7				component wear rates are normal.
WEAR METALS						There is no indication of any contamination in the oil. The
PQ		1 8				condition of the oil is acceptable for the time in service.
Iron	ppm	26				
Copper	ppm	11				
Lead	ppm	0				
Tin	ppm	0				
Aluminum	ppm	<1				
Chromium	ppm	0				
Molybdenum	ppm	0				
Nickel	ppm	0				
Titanium	ppm	<1				
Silver	ppm	0				
Manganese	ppm	3				
Vanadium	ppm	<1				
ADDITIVES						
Calcium	ppm	23				—
Magnesium	ppm	1027				
Zinc	ppm	12				
Phosphorus	ppm	1729				
Barium	ppm	 <1				
Boron	ppm	645				

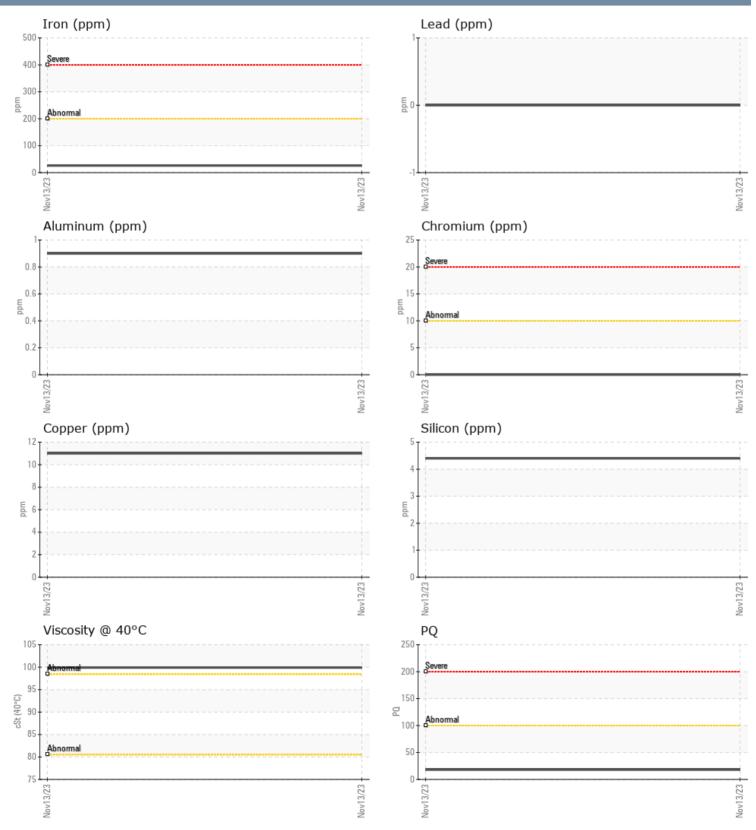
Depot:	VP208659		
Unique No:	10749111		
Signed:	Doug Bogart		
Report Date:	16 Nov 2023		

Contact/Location: KYLE GRASER - VP208659

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP208659 [WUSCAR] 06009967 (Generated: 11/16/2023 15:56:29) Rev: 1

Contact/Location: KYLE GRASER - VP208659