OIL ANALYSIS REPORT

RICHARDS VOLVO PENTA 3940023374 - STARBOARD IPS

Sample No: VPA046409

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORM	ATION				
Sample Number		VPA046409	 		
Sample Date		28 Jun 2023	 		FULL KEEL MARINE SERVICES
Machine Hours		680	 		314 LEGION AVE
Oil Hours		0	 		ANNAPOLIS, MD
Oil Changed		Changed	 		US 21401
Sample Status		ATTENTION	 		Contact: Service Manager
OIL CONDITION					FULLKEELMARINESERIVES@GMAIL.CC T: (410)507-3542
Visc @ 40°C	cSt	106	 		F:
		100			- : :
CONTAMINATION					Diagnosis
Silicon	ppm	13	 		The oil change at the time of
Sodium	ppm	23	 		sampling has been noted. No corrective action is recommended a
Potassium	ppm	0	 		this time. Resample at the next
	le le	-			service interval to monitor.Gear we
WEAR METALS					is indicated. There is no indication of
PQ		1 8	 		any contamination in the oil. Confir
Iron	ppm	<u> </u>	 		oil type. The condition of the oil is acceptable for the time in service.
Copper	ppm	13	 		
Lead	ppm	0	 		
Tin	ppm	0	 		
Aluminum	ppm	9	 		
Chromium	ppm	2	 		
Molybdenum	ppm	0	 		
Nickel	ppm	3	 		
Titanium	ppm	0	 		
Silver	ppm	0	 		
Manganese	ppm	3	 		
Vanadium	ppm	0	 		
ADDITIVES					
Calcium	ppm	20	 		_
Magnesium	ppm	8	 		
Zinc	ppm	60	 		
Phosphorus	ppm	1323	 		
Barium	ppm	0	 		
Boron	ppm	278	 		
20.011	PPIII				

VOLVO PENTA

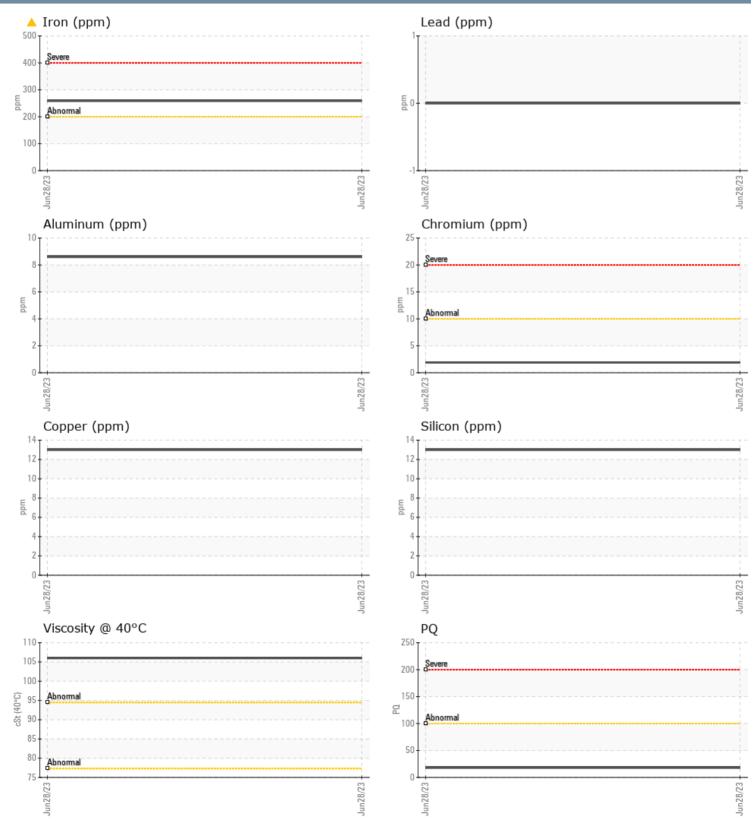
Depot:	VP1298996		
Unique No:	10608403		
Signed:	Don Baldridge		
Report Date:	21 Aug 2023		

Contact/Location: Service Manager - VP1298996

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP1298996 [WUSCAR] 05928456 (Generated: 08/21/2023 14:44:24) Rev: 1

Contact/Location: Service Manager - VP1298996