

[CRSXH 166L 415 [506609]] VOLVO 3940016966 - STARBOARD IPS

Sample No: VPA017780

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA017780	---	---	---
Sample Date	10 Dec 2018	---	---	---
Machine Hours	269	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

Marine Maintenance Of

7803 McElvey Rd
 PANAMA CITY BEACH, FL
 US 32408
 Contact: Jody Kennedy
 jody@marinemaint.com
 T:
 F:

OIL CONDITION

Visc @ 40°C cSt ■ 103.3 --- --- ---

CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 21	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 25	---	---	---
Iron	ppm	■ 65	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 17	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 7	---	---	---
Phosphorus	ppm	■ 1206	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 260	---	---	---

Depot: VP313024
Unique No: 8450224
Signed: Don Baldrige
Report Date: 07 Jan 2019

GRAPHS

