

OIL ANALYSIS REPORT



LHRKP102K810 507052 VOLVO 3194008630 - STARBOARD IPS

Sample No: VPA024464

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA024464	VPA024263	---	---
Sample Date	28 Oct 2020	04 Feb 2020	---	---
Machine Hours	854	850	---	---
Oil Hours	0	50	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	107	107	---	---
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CONTAMINATION

Water	%	NEG	0.639	---	---
Silicon	ppm	12	33	---	---
Sodium	ppm	17	41	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		21	20	---	---
Iron	ppm	120	208	---	---
Copper	ppm	12	19	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	4	17	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	1	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	2	3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	11	13	---	---
Magnesium	ppm	3	5	---	---
Zinc	ppm	29	38	---	---
Phosphorus	ppm	1376	1271	---	---
Barium	ppm	0	0	---	---
Boron	ppm	289	239	---	---

Depot: VP313024
Unique No: 9241343
Signed: Don Baldrige
Report Date: 04 Nov 2020

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GRAPHS

