



# CONSTRUCTION EQUIPMENT

## E14992 PONSSE SCORPION KING A011094W - DIESEL ENGINE



**Sample No:** VCP417821  
**Oil Type:** PONSSE 5W30  
**Job No:** E14992



### SAMPLE INFORMATION

Sample Number	VCP417821	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	362	---	---	---
Oil Hours	362	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**JOSH RICH**  
 36 SOLDIER POND RD  
 WALLAGRASS, ME  
 US 04781  
 Contact: JOSH RICH

### OIL CONDITION

Visc @ 100°C	cSt	█ 11.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	53	---	---	---

T: (207)831-5301  
 F:

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

### CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	84	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 58	---	---	---

### WEAR METALS

Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 22	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 51	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1212	---	---	---
Magnesium	ppm	█ 952	---	---	---
Zinc	ppm	█ 931	---	---	---
Phosphorus	ppm	759	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 110	---	---	---

**Depot:** JOSWAL  
**Unique No:** 10605803  
**Signed:** Wes Davis  
**Report Date:** 17 Aug 2023



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## GRAPHS

