# **OIL ANALYSIS REPORT**

## JOSE SOLER 532705 VOLVO PENTA A1165141 - PORT DIESEL ENGINE

Sample No: VPA056825

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number		VPA056825	VPA046664	 
Sample Date		03 Jul 2023	13 Sep 2022	 
Machine Hours		159	39	 
Oil Hours		159	39	 
Oil Changed		Changed	Not Changd	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	13.2	13.6	 
Base Number (BN)	mg KOH/g	8.7	9.3	 
Oxidation (PA)	%	45	39	 
CONTAMINATION				
Soot %	%	0.7	0.2	 
Nitration (PA)	%	50	38	 
Sulfation (PA)	%	51	47	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	25	20	 
Sodium	ppm	3	<1	 
Potassium	ppm	■4	<b></b> <1	 

### WEAR METALS

Iron	ppm	63	20	 
Copper	ppm	28	18	 
Lead	ppm	<b>10</b>	6	 
Tin	ppm	<b>4</b>	2	 
Aluminum	ppm	<b>1</b> 4	7	 
Chromium	ppm	5	2	 
Molybdenum	ppm	8	8	 
Nickel	ppm	2	<1	 
Titanium	ppm	□<1	<1	 
Silver	ppm	0	<1	 
Manganese	ppm	2	1	 
Vanadium	ppm	0	0	 

## ADDITIVES

Calcium	ppm	2713	2502	 
Magnesium	ppm	65	60	 
Zinc	ppm	<b>1054</b>	967	 
Phosphorus	ppm	878	815	 
Barium	ppm	0	1	 
Boron	ppm	<b>4</b> 3	52	 

#### Jas Marine Service Inc

3131 SW 2Nd Ave. FORT LAUDERDALE, FL US 33315 Contact: JASON TOLEDO jason@jasmarine.com T: (954)462-1112 F:

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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 acceptable for the time in service.

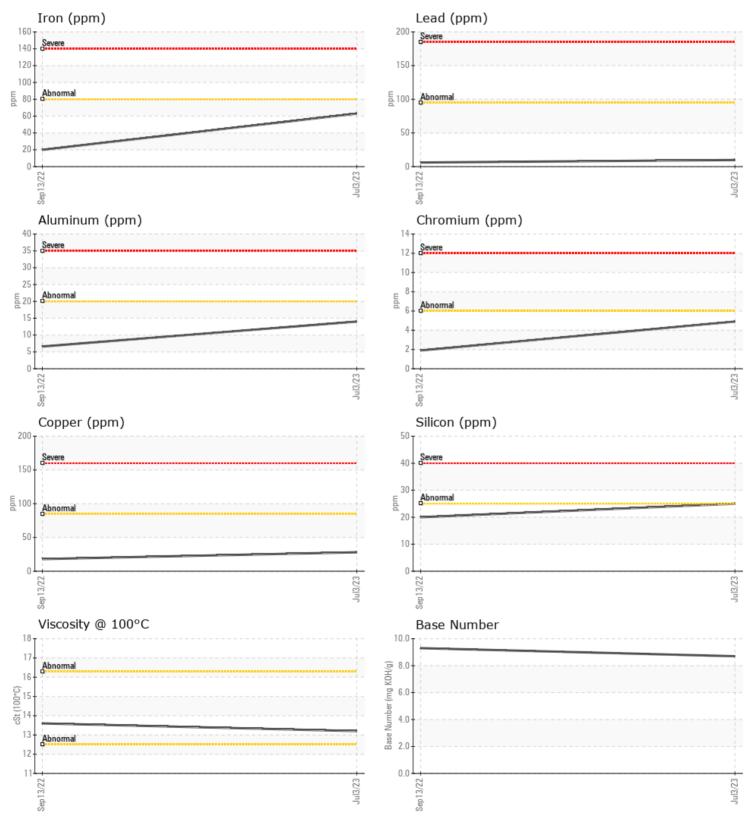
Depot:	VP426065
Unique No:	10550005
Signed:	Sean Felton
Report Date:	12 Jul 2023

Contact/Location: JASON TOLEDO - VP426065

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### GRAPHS



Report Id: VP426065 [WUSCAR] 05894195 (Generated: 07/12/2023 11:19:38) Rev: 1

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