## **OIL ANALYSIS REPORT**

## NADINE URCIUOLI MICK MCCAFFREY VOLVO PENTA 3200005010 - STARBOARD IPS

Sample No: VPA053245

Oil Type: VOLVO PENTA GL-5 SAE 75W90

Water%NEGat this time. ResaSiliconppm4service interval toSodiumppm3component wearPotassiumppm5There is no indica contamination in	URCIUOLI
Sample Date         09 May 2024            619 Canal Street           Machine Hours         43            SAN RAFAEL CA           Oil Hours         43            SAN RAFAEL CA           Oil Changed         Changed            US 94901-3545           Sample Status         NORMAL            SAN RAFAEL CA           Soli Changed         NORMAL            SAN RAFAEL CA           Soli CONDITION         Visc @ 40°C         cSt         100            SAN RAFAEL CA           Visc @ 40°C         cSt         100             SAN RAFAEL CA         SAN CA         SAN CA         SAN	URCIUOLI JTSMARINE.COM
Sample Date         09 May 2024            619 Canal Street           Machine Hours         43            SAN RAFAEL CA           Oil Hours         43            SAN RAFAEL CA           Oil Changed         Changed            US 94901-3545           Sample Status         NORMAL            SAN RAFAEL CA           Oil CONDITION         NORMAL            SAN RAFAEL CA           Visc @ 40°C         cSt         100            SAN RAFAEL CA           Visc @ 40°C         cSt         100            SAN RAFAEL CA           Vater         %         NEG              Sarvice (artica the size of artis time. Resa service interval to component wear         service interval to component wear                         -	URCIUOLI JTSMARINE.COM
Machine Hours       43          Sample Status       619 Canal Street       SAN RAFAEL, CA         Oil Changed       Changed          US 9401-3545         Sample Status       NORMAL          US 9401-3545         Oil CONDITION       NORMAL          Contact: NADINE SERVICE@HELMU         OIL CONDITION       T: x:       F: x:            Visc @ 40°C       cSt       100          Service@HELMU       T: x:       F: x:          Visc @ 40°C       cSt       100             Service@heLMU       T: x:       F: x:          Service@heLMU       T: x:       F: x:            Service@heLMU       T: x:       F: x: <td< td=""><td>JTSMARINE.COM</td></td<>	JTSMARINE.COM
Oil Hours         43               US         94901-3545         Contact: NADINE           Sample Status         NORMAL              Contact: NADINE         SERVICE@HELMU         T: x:         E:         F: x:         F: x:	JTSMARINE.COM
Oil ChangedChangedContact: NADINE SERVICE@HELMU T: x: F: x:Visc @ 40°CcSt100Service@HELMU T: x: F: x:Visc @ 40°CcSt100Service@HELMU T: x: 	JTSMARINE.COM
Sample StatusNORMALContact: NADINE SERVICE@HELMU T: x: F: x:Visc @ 40°CcSt100CONTAMINATIONDiagnosis No corrective act at this time. Resa service interval to component wear PotassiumNEGDiagnosis No corrective act at this time. Resa service interval to component wearWater%NEGDiagnosis No corrective act at this time. Resa service interval to component wearWater%NEGat this time. Resa service interval to component wearSodiumppm3at this time. Resa service interval to component wearWEAR METALSppm5Ironppm7Ironppm0Icopperppm0Aluminumppm0<	JTSMARINE.COM
SERVICE@HELULUOIL CONDITIONT: x: F: x:Visc @ 40°CcSt100T: x: F: x:CONTAMINATIONWater%NEGDiagnosisWater%NEGDiagnosisSiliconppm4DiagnosisSociumppm3DiagnosisVetars%NEGDiagnosisSoliumppm3There is no indic contamination in condition of the the time in servicePQ17There is no indic contamination in condition of the the time in servicePQ17Ironppm0Ironppm0Ironppm0Ironppm0Ironppm0Ironppm0Ironppm0Ironppm0Nickelppm0<	
Visc @ 40°CcSt100F: x:CONTAMINATIONWater%NEGDiagnosisWater%NEGat his time. Resaservice interval to component wearat his time. ResaSoliumppm3at his time. ResaPotassiumppm5at his time. ResaWEAR METALSWEAR METALSPQ17Pot17Ironppm13	tion is recommende
Visc @ 40°CcSt100CONTAMINATIONWater%NEGSiliconppm4Siliconservice interval to component wearservice interval to component wearSo corrective act at this time. Read service interval to component wearVEAR METALSppmSo	tion is recommende
Water%NEGNo corrective act at this time. Resa service interval to component wear There is no indici contamination in condition of the the time in serviceVEAR METALSThere is no indici contamination in condition of the the time in servicePQ17There is no indici contamination in condition of the the time in servicePQ17Ironppm13Copperppm7Leadppm0Aluminumppm<1	tion is recommende
Water%NEGat this time. Resa service interval to component wearSiliconppm3service interval to component wearPotassiumppm5There is no indice contamination in condition of the the time in serviceVEAR METALS17There is no indice contamination in condition of the the time in servicePQ17Ironppm13Copperppm7Leadppm0Aluminumppm0Molybdenumppm0Nickelppm0	tion is recommende
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Sodiumppm3component wearPotassiumppm5There is no indication of the contamination in contition of the the time in serviceWEAR METALSPQ17PQ17Ironppm13Copperppm7Leadppm0Aluminumppm0Molybdenumppm0Nickelppm0	
Potassiumppm5There is no indication in condition of the the time in servicePQ17Ironppm13Copperppm7Leadppm0Tinppm0Aluminumppm<1	
WEAR METALScondition of the the time in service the time in servicePQ17Ironppm13Copperppm7Leadppm0Tinppm0Aluminumppm<1	
PQ       17           Iron       ppm       13           Copper       ppm       7           Lead       ppm       0           Tin       ppm       0           Aluminum       ppm       <1	oil is acceptable for
Copper         ppm         7             Lead         ppm         0             Tin         ppm         0             Aluminum         ppm         <1	ce.
Lead         ppm         0             Tin         ppm         0             Aluminum         ppm         <1	
Tin         ppm         0             Aluminum         ppm         <1             Chromium         ppm         0             Molybdenum         ppm         0             Nickel         ppm         0	
Aluminum         ppm         <1             Chromium         ppm         0             Molybdenum         ppm         0             Nickel         ppm         0	
Chromium         ppm         0              Molybdenum         ppm         0              Nickel         ppm         0	
Molybdenum         ppm         0              Nickel         ppm         0	
Nickel ppm <b>0</b>	
Titanium pom <b>0</b>	
Silver ppm <b>0</b>	
Manganese ppm <b>2</b>	
Vanadium ppm <b>0</b>	
ADDITIVES	
Calcium ppm <b>12</b>	
Magnesium ppm <b>930</b>	
Zinc ppm <b>0</b>	
Phosphorus ppm <b>1647</b>	
Barium ppm <b>0</b>	
Boron ppm <b>625</b>	

 Depot:
 VP152741

 Unique No:
 11034503

 Signed:
 Sean Felton

 Report Date:
 21 May 2024

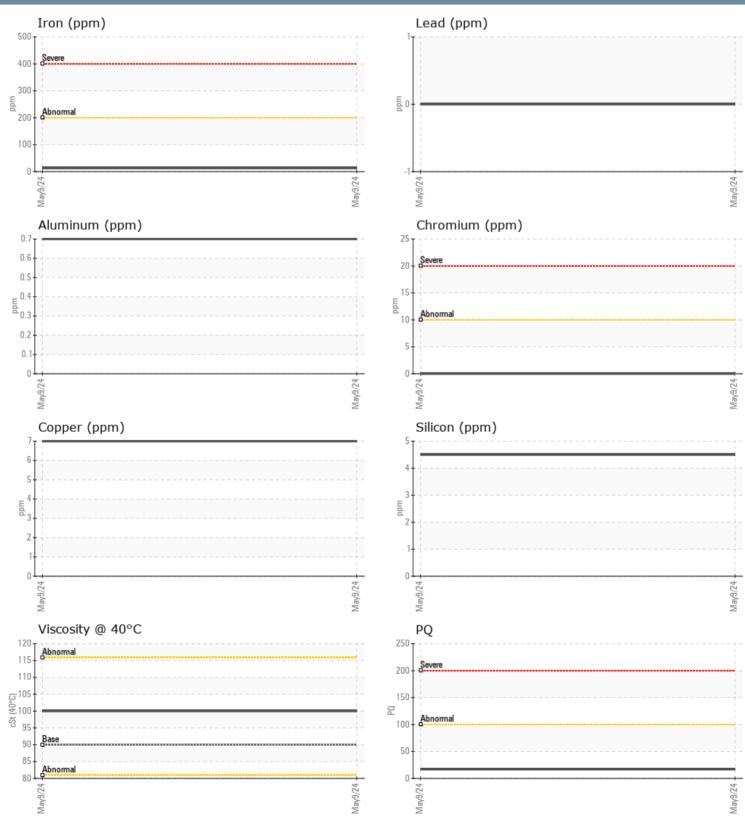
 Contact/Location: NADINE URCIUOLI - VP152741



## **OIL ANALYSIS REPORT**







Report Id: VP152741 [WUSCAR] 06183177 (Generated: 05/21/2024 17:59:34) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741