### **OIL ANALYSIS REPORT**

### VOLVO PENTA 3940026701 - IPS

Sample No: VPA053070

VOLVO PENTA GL-5 SAE 75W90 **Oil Type:** 

CONTAMINATION           Water         %         0.688              Sodium         ppm         19              Sodium         ppm         84              Potassium         ppm         33              WEAR METALS               PQ         33              Copper         ppm         481              Copper         ppm         41               Muminum         ppm         3               Kekel         ppm         3               Kolybdenum         ppm         0               Kolybdenum         ppm         0               Kolybdenum         ppm         0 </th <th>SAMPLE INFORMA</th> <th>ATION</th> <th></th> <th></th> <th></th>	SAMPLE INFORMA	ATION			
Sample Date         18 Apr 2024               Vachine Hours         0               Dil Hours         0               Dil Changed         N/A               Dil CONDITION         SEVERE               Visc @ 40°C         CSt         102              Vater         %         0.688              Sidicon         ppm         19              Vater         %         0.688              Sidicon         ppm         19              Vater         %         0.688               Sidicon         ppm         3               Vater         %         0.688	Sample Number		VPA053070	 	
Machine Hours       0            Dil Hours       0            Dil Changed       N/A            Severe             OIL CONDITION             CONTAMINATION             Water       %       0.688            Solition       ppm       19            Solition       ppm       33            Verant Status       ypm       33            Verant Status       ypm       481            Solum       ppm       481            Solum       ppm       3            Numinum       ppm       3            Nolybdenum       ppm       3            Molybdenum       ppm       1				 	
Dil Hours       0            Dil Changed       N/A            Sample Status       SEVERE            OIL CONDITION             OIL CONDITION             CONTAMINATION             Water       %       0.688            Sodium       ppm       19            Sodium       ppm       84            VEAR METALS             Veage       33            Sodium       ppm       481            Copper       ppm       483            Sodium       ppm       3            Numinum       ppm       3            Numinum       ppm       0					
Dil Changed       N/A            Gample Status       SEVERE            OIL CONDITION             CONTAMINATION             Water       %       0.6888            Solution       ppm       19            Retar       %       0.6888            Solution       ppm       19            Potassium       ppm       3            VEAR METALS              Sopper       ppm       481             Copper       ppm       41              Kolwinum       ppm       3             Chromium       ppm       1             Kolwjobenum       ppm       1				 	
Sample Status         SEVERE              OIL CONDITION               I/sc @ 40°C         cSt         102              CONTAMINATION                Vater         %         0.688              Sodium         ppm         19              Sodium         ppm         84              WEAR METALS                Sodium         ppm         481              Copper         ppm         483              Cond         ppm<					
OIL CONDITION         Visc @ 40°C       cSt       102            CONTAMINATION         Water       %       0.688            Sodium       ppm       19            Sodium       ppm       84            Vetarsium       ppm       3            VEAR METALS             PQ       33            Opper       ppm       481            Copper       ppm       48            Sodium       ppm       48            Copper       ppm       48            Sodiumum       ppm       3            Numinum       ppm       3            Nolybehenum       ppm       4            Nolybehenum       ppm       1				 	
Alise @ 40°C       cSt       102            CONTAMINATION					
CONTAMINATION           Water         %         0.688              Sodium         ppm         19              Sodium         ppm         84              Potassium         ppm         33              WEAR METALS               PQ         33              Copper         ppm         481              Copper         ppm         41               Muminum         ppm         3               Kekel         ppm         3               Kolybdenum         ppm         0               Kolybdenum         ppm         0               Kolybdenum         ppm         0 </td <td>Visc @ 40°C</td> <td>cSt</td> <td><b>102</b></td> <td> </td> <td></td>	Visc @ 40°C	cSt	<b>102</b>	 	
Water         %         0.688              Sidicon         ppm         19              Sodium         ppm         3              Potassium         ppm         3              WEAR METALS                PQ         33               Copper         ppm         481              Copper         ppm         483              Lead         ppm         <1	-				
Silicon         ppm         19              Sodium         ppm         3              Potassium         ppm         3              WEAR METALS               PQ         33              copper         ppm         481              Copper         ppm         483              cead         ppm         1              kead         ppm         3              kluminum         ppm         3              kluminum         ppm         3              Volybdenum         ppm         1              Nickel         ppm         0              Vanadium         ppm         1              A			0.688	 	
Sodium         ppm         B4              Potassium         ppm         B3              WEAR METALS                PQ         B3               PQ         B3               Potassium         ppm         A81              Copper         ppm         A88               Lead         ppm         41               Muminum         ppm         3               Muminum         ppm         3              Molybdenum         ppm         3              Vickel         ppm         0              Viskel         ppm         0              Mangaese         ppm         <					
Potassium         ppm         3              WEAR METALS                PQ         33               Copper         ppm         481              Copper         ppm         448              Lead         ppm         <1              Lead         ppm         <1              Numinum         ppm         3              Numinum         ppm         3              Numinum         ppm         3              Numinum         ppm         3              Numinum         ppm         4              Vickel         ppm         0              Vanaganese         ppm         16					
WEAR METALS           PQ         33              Copper         ppm         481              Copper         ppm         488              Copper         ppm         41              Lead         ppm         <1					
PQ       33            ron       ppm       481            Copper       ppm       488            Lead       ppm       <1		ррпп			
ron       ppm       481            Copper       ppm       48            Lead       ppm       <1					
Copper       ppm       48            Lead       ppm       <1	-				
rin       ppm       <1					
rin       ppm       <1					
Aluminum       ppm       3            Chromium       ppm       3            Molybdenum       ppm       2            Nickel       ppm       4            Nickel       ppm       0            Silver       ppm       0            Manganese       ppm       7            ADDITIVES              Calcium       ppm       16            Magnesium       ppm       30            Calcium       ppm       28            Phosphorus       ppm       1276            Barium       ppm       0					
Chromium       ppm       3            Molybdenum       ppm       2            Vickel       ppm       4            Silver       ppm       0            Maganese       ppm       7            Anadium       ppm       16            ADDITIVES              Calcium       ppm       16            Magnesium       ppm       28            Phosphorus       ppm       1276            Barium       ppm       0					
Molybdenum       ppm       2            Nickel       ppm       4            Fitanium       ppm       0            Silver       ppm       0            Manganese       ppm       7            Anadium       ppm       <1			-		
Nickel       ppm       4            Titanium       ppm       0            Silver       ppm       0            Maganese       ppm       7            /anadium       ppm       <1					
Titanium       ppm       0            Silver       ppm       0            Manganese       ppm       7            /anadium       ppm       <1					
Silver         ppm         0              Manganese         ppm         7              /anadium         ppm         1              ADDITIVES               Calcium         ppm         16              Magnesium         ppm         30              Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0					
Manganese         ppm         7              /anadium         ppm         <1					
Vanadium         ppm         <1              ADDITIVES                Calcium         ppm         16              Magnesium         ppm         30              Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0					
ADDITIVES           Calcium         ppm         16              Magnesium         ppm         30              Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0	•				
Calcium         ppm         16             Magnesium         ppm         30              Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0		ppm	<1	 	
Magnesium         ppm         30              Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0	ADDITIVES				
Zinc         ppm         28              Phosphorus         ppm         1276              Barium         ppm         0	Calcium	ppm	<b>16</b>	 	
Phosphorus         ppm         1276              Barium         ppm         0	Magnesium	ppm	30	 	
Barium ppm <b>0</b>	Zinc	ppm	28	 	
3arium ppm 🔲 0	Phosphorus	ppm	<b>1276</b>	 	
	Barium		0	 	
	Boron	ppm	271	 	

# VOLVO PENTA

#### ONS MARINE SERVICES

15th AVENUE, SUITE 205 O BEACh, FL **NEIL JOHNSTON** s.com 8-0813

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se that you check for the f water entry. We end that you drain the oil component if this has not been done. We advise that ect for the source(s) of wear. mmend an early resample to this condition.Gear wear is d. There is a high ation of water present in the bil is no longer serviceable ne presence of contaminants.

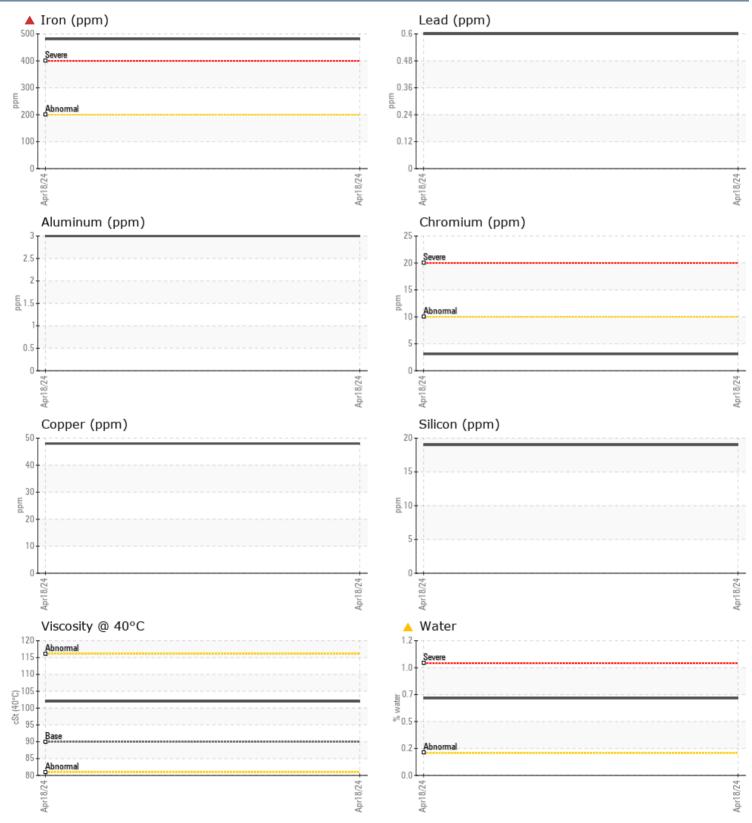
Depot: VPJOHDEE Unique No: 10990203 Signed: Don Baldridge Report Date: 23 Apr 2024 Contact/Location: NEIL JOHNSTON - VPJOHDEE

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## **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPJOHDEE [WUSCAR] 06154780 (Generated: 04/24/2024 10:44:30) Rev: 1

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