OIL ANALYSIS REPORT



HANNA VOLVO PENTA 3940014993 - PORT IPS

Sample No: VPA043289

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION Sample Number VPA043289 Sample Date 06 Feb 2024 Machine Hours 0 Oil Hours 0 Oil Changed Not Changd Sample Status SEVERE OIL CONDITION Vater % 3.89 Solium ppm 334 Potasium ppm 334 Potasium ppm 228 Solium ppm 34 Potasium ppm 0 Goper ppm 0 <					
Sample Date 06 Feb 2024 Machine Hours 1100 Oil Hours 0 Sample Status SEVERE OIL CONDITION Visc @ 40°C cSt 121 CONTAMINATION Water % 3.89 Solium ppm 334 Potassium ppm 14 WEAR METALS PQ 34 Iron ppm 22 Copper ppm 22 <th>SAMPLE INFORM</th> <th>ATION</th> <th></th> <th></th> <th></th>	SAMPLE INFORM	ATION			
Sample Date 06 Feb 2024 Machine Hours 1100 Oil Hours 0 Sample Status SEVERE OIL CONDITION Visc @ 40°C cSt 121 CONTAMINATION Water % 3.89 Solium ppm 334 Potassium ppm 14 WEAR METALS PQ 34 Iron ppm 22 Copper ppm 22 <td>Sample Number</td> <td></td> <td>VPA043289</td> <td> </td> <td></td>	Sample Number		VPA043289	 	
Machine Hours 1100 Oil Hours 0 Oil Changed Not Changd Sample Status SEVERE OIL CONDITION COTAMINATION Water % 3.89 Solicon ppm 334 Solium ppm 334 VEAR METALS Veact ppm 228 Solium ppm 334 Veactsium ppm 228 Iron ppm 228 Iron ppm 228 Iron ppm 22 </td <td></td> <td></td> <td>06 Feb 2024</td> <td> </td> <td></td>			06 Feb 2024	 	
Not Changed Sample Status Not Changed SEVERE OIL CONDITION Visc @ 40°C CSt 121 CONTAMINATION Water % 9.899 Solition ppm 4.228 Potassium ppm 14 Potassium ppm 2.28 Potassium ppm 14 Potassium ppm 2.28 Iron ppm 2.28 Iron ppm 2.28 Iron ppm 2.22 Aluminum	-		1100	 	
Sample Status SEVERE OIL CONDITION Visc @ 40°C cSt 121 CONTAMINATION Water % • 3.89 Solicon ppm • 328 Solicon ppm • 334 Potassium ppm • 14 WEAR METALS PQ • 34 Iron ppm 0 Lead ppm<0	Oil Hours		0	 	
Sample Status SEVERE OIL CONDITION Visc @ 40°C cSt 121 CONTAMINATION Water % • 3.89 Solicon ppm • 328 Solicon ppm • 334 Potassium ppm • 14 WEAR METALS PQ • 34 Iron ppm 0 Lead ppm<0	Oil Changed		Not Changd	 	
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Potassium ppm 14 WEAR METALS PQ 34 Iron ppm 258 Copper ppm 222 Lead ppm 0 Aluminum ppm 2 Aluminum ppm 6 Molybdenum ppm 1 Nickel ppm 0 Nickel ppm 0 Manganese ppm 0 Vanadium ppm 54 Magnesium ppm 55 Phosphorus ppm 1334 <td>Sodium</td> <td></td> <td>334</td> <td> </td> <td></td>	Sodium		334	 	
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Chromium ppm 2 Molybdenum ppm 1 Nickel ppm 2 Titanium ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 ADDITIVES Kagnesium ppm 54 Phosphorus ppm 1334 Barium ppm 2	Aluminum	ppm	6	 	
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Titanium ppm 0 Silver ppm 0 Manganese ppm 4 Vanadium ppm 0 ADDITIVES Calcium ppm 115 Magnesium ppm 54 Zinc ppm 55 Phosphorus ppm 1334 Barium ppm 2	Nickel		2	 	
Manganese ppm 4 Vanadium ppm 0 ADDITIVES Calcium ppm 115 Magnesium ppm 54 Zinc ppm 55 Phosphorus ppm 1334 Barium ppm 2	Titanium		0	 	
Vanadium ppm 0 ADDITIVES Calcium ppm 115 Calcium ppm 54 Magnesium ppm 55 Phosphorus ppm 1334 Barium ppm 2	Silver	ppm	0	 	
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Magnesium ppm 54 Zinc ppm 55 Phosphorus ppm 1334 Barium ppm 2	ADDITIVES				
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Zinc ppm 55 Phosphorus ppm 1334 Barium ppm 2			54	 	
Phosphorus ppm 1334 Barium ppm 2	2		55	 	
Barium ppm 2	Phosphorus		1334	 	
	Boron			 	

Jas Marine Service Inc

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

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a high concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VP426065

 Unique No:
 10872959

 Signed:
 Jonathan Hester

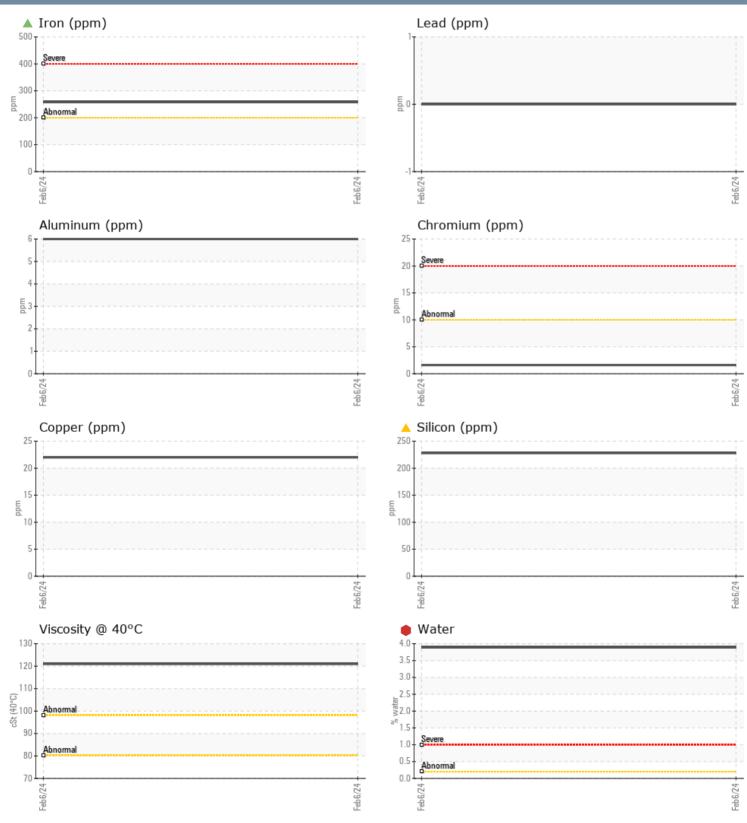
 Report Date:
 13 Feb 2024

Contact/Location: JASON TOLEDO - VP426065

OIL ANALYSIS REPORT







Report Id: VP426065 [WUSCAR] 06085514 (Generated: 02/13/2024 10:56:22) Rev: 1

Contact/Location: JASON TOLEDO - VP426065