



## DOUGLAS COE 3957 VOLVO PENTA 3200000489 - PORT IPS

Sample No: VPA053634

**Oil Type:** GEAR OIL SAE 75W90

Sample Date         05 Jul 2024              Machine Hours         875              Oil Hours         0              Oil Changed         N/A              Sample Status         ATTENTION	CAMPLE INFORM	IATION			
Sample Date  Machine Hours  875  Oil Hours  Oil Hours  Oil Changed  N/A  ATTENTION  OIL CONDITION  Visc @ 40°C  CSt  I 105  CONTAMINATION  Water  Mater  Machine Hours  Mater  Ma	SAMPLE INFURM	IATIUN			
Machine Hours       875	Sample Number		VPA053634	 	
Oil Hours         0	Sample Date		05 Jul 2024	 	
Oil Changed Sample Status ATTENTION	Machine Hours		875	 	
Sample Status	Oil Hours		0	 	
Sample Status	Oil Changed		N/A	 	
Visc @ 40°C			ATTENTION	 	
Visc @ 40°C	OIL CONDITION				
Water       %       ■0.148  <	Visc @ 40°C	cSt	<b>105</b>	 	
Silicon	CONTAMINATION	1			
Silicon	Water	%	<b>■0.148</b>	 	
Sodium	Silicon			 	
Near METALS   Near METALS   Near METALS				 	
WEAR METALS         PQ       49	Potassium			 	
Tron	WEAR METALS				
Copper	PQ		<b>49</b>	 	
Lead	Iron	ppm	<b>148</b>	 	
Tin ppm 0 Aluminum ppm 2	Copper	ppm	<b>15</b>	 	
Aluminum	Lead	ppm	<b>0</b>	 	
Chromium ppm	Tin	ppm	<b>0</b>	 	
Molybdenum         ppm         0	Aluminum	ppm	<b>2</b>	 	
Nickel         ppm         0              Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         1              Vanadium         ppm         0              ADDITIVES           Calcium         ppm         9              Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Chromium	ppm	<b>■&lt;1</b>	 	
Titanium         ppm         0              Silver         ppm         0              Manganese         ppm         1              Vanadium         ppm         0              ADDITIVES           Calcium         ppm         9              Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Molybdenum	ppm	<b>0</b>	 	
Silver         ppm         0              Manganese         ppm         1              Vanadium         ppm         0              ADDITIVES           Calcium         ppm         9              Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Nickel	ppm	<b>0</b>	 	
Manganese         ppm         1	Titanium	ppm	<b>0</b>	 	
Vanadium         ppm         0              ADDITIVES           Calcium         ppm         9              Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Silver	ppm	0	 	
ADDITIVES  Calcium ppm 9  Magnesium ppm 4  Zinc ppm 10  Phosphorus ppm 1370  Barium ppm 0	Manganese	ppm	<b>1</b>	 	
Calcium         ppm         9              Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Vanadium	ppm	0	 	
Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	ADDITIVES				
Magnesium         ppm         4              Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0	Calcium	ppm	<b>9</b>	 	
Zinc         ppm         10              Phosphorus         ppm         1370              Barium         ppm         0				 	
Phosphorus         ppm         1370              Barium         ppm         0	_			 	
Barium ppm <b>0</b>	Phosphorus			 	
	Boron		<b>273</b>	 	

## **WESTERN BRANCH DIESEL**

6881 BULLDOG DR N CHARLESTON, SC US 29406 Contact: CHRIS BRADSHAW cbradshaw@wbdiesel.com

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## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP1165983Unique No:11116068Signed:Don BaldridgeReport Date:12 Jul 2024

## **OIL ANALYSIS REPORT**



