[RGMLF054 ES16] VOLVO PENTA 3940017354 - PORT IPS

Sample No: VPA038869
Oil Type: {unknown}

SAMPLE INFORMATION Sample Number VPA038869 VPA013412 Sample Date 07 Jun 2021 11 Dec 2017 Nachine Hours 0 0 0 Nachine Hours NoRMAL ATTENTION Nachine Hours	CAMPLE	NICODNA	ATIONI			
Sample Date 07 Jun 2021 11 Dec 2017 Machine Hours 0 130 Oil Hours 0 0 Oil Changed N/A N/A N/A Sample Status NORMAL ATTENTION CONTAMINATION Water % NEG NEG Solition ppm 5 27 Sodium ppm 0 2 VEAR METALS WEAR METALS PQ 21 19 Iron ppm 1 12 VEAR METALS 21 19 VEAR METALS 21 19 PQ 21 19	SAMPLE	INFORM	ATION			
Machine Hours 0 130 Oil Hours 0 0 Oil Changed N/A N/A Sample Status NORMAL ATTENTION CONDITION Visc @ 40°C CSt ■110 102.0 CONTAMINATION Water % NEG NEG Solicon ppm 5 2.7 Solicon ppm 5 2.7 VEAR METALS WEAR METALS PQ 21 19 WEAR METALS PQ 21 19 Copper ppm 1 12 Copper ppm 0	Sample Number		VPA038869	VPA013412	 	
Oil Hours 0 0 Oil Changed N/A N/A N/A OIL CONDITION Visc @ 40°C cst	Sample Date		07 Jun 2021	11 Dec 2017	 	
Oil Changed Sample Status N/A N/A OIL CONDITION Visc @ 40°C cSt	Machine Hours		0	130	 	
Sample Status NORMAL ATTENTION OIL CONDITION Visc @ 40°C cSt 110 102 CONTAMINATION Water % NEG Sodium ppm 5 27 <th< td=""><td>Oil Hours</td><td></td><td>0</td><td>0</td><td> </td></th<>	Oil Hours		0	0	 	
OIL CONDITION Visc @ 40°C	Oil Changed		N/A	N/A	 	
Visc @ 40°C cSt 110 102.0 CONTAMINATION Water % NEG NEG </td <td>Sample Status</td> <td></td> <td>NORMAL</td> <td>ATTENTION</td> <td> </td>	Sample Status		NORMAL	ATTENTION	 	
CONTAMINATION Water % NEG NEG Silicon ppm 5 27 Sodium ppm <1	OIL CONI	DITION				
Water % NEG NEG Solicon ppm 5 27 Sodium ppm <1	Visc @ 40°C	cSt	110	102.0	 	
Silicon ppm 5 27 Sodium ppm 41 2 WEAR METALS WEAR METALS PQ 21 19 Iron ppm 11 36 Copper ppm 1 12 Lead ppm 0 <1 Aluminum ppm 1 2 Aluminum ppm 1 2 Molybdenum ppm <1 <1 Molybdenum ppm <1 <1 Nickel ppm 0 <1 Silver ppm 0 0 Vanadium ppm 5 31 ADDITIV	CONTAM	IOITANII	V			
Sodium ppm <1	Water	%	NEG	NEG	 	
Sodium ppm Image: square squa	Silicon	ppm	5	2 7	 	
Potassium ppm <th cols<="" td=""><td>Sodium</td><td></td><td>-<1</td><td>2</td><td> </td></th>	<td>Sodium</td> <td></td> <td>-<1</td> <td>2</td> <td> </td>	Sodium		-<1	2	
PQ 21 19 Iron ppm 11 36 Copper ppm 0 -1 Lead ppm 0 -1 Tin ppm -1 0 Aluminum ppm 1 2 Chromium ppm -1 -1 Molybdenum ppm -1 -1 Nickel ppm 0 -1 Nickel ppm 0 0 Silver ppm 0 0 Vanadium ppm 0 0 Vanadium ppm 5 31 ADDITIVES Calcium ppm 3 146 </td <td>Potassium</td> <td></td> <td>O</td> <td>2</td> <td> </td>	Potassium		O	2	 	
PQ 21 19 Iron ppm 11 36 Copper ppm 0 -1 Lead ppm 0 -1 Tin ppm -1 0 Aluminum ppm 1 2 Chromium ppm -1 -1 Molybdenum ppm -1 -1 Nickel ppm 0 -1 Nickel ppm 0 0 Silver ppm 0 0 Vanadium ppm 0 0 Vanadium ppm 5 31 ADDITIVES Calcium ppm 3 146 </td <td>\</td> <td>TALC</td> <td></td> <td></td> <td></td>	\	TALC				
Iron	WEAR IVII	:TALS				
Copper ppm 1 12 Lead ppm 0 -1 Tin ppm <1	PQ		21	1 9	 	
Lead ppm 0 -1 Tin ppm <1	Iron	ppm	11	□ 36	 	
Tin ppm <1 0 Aluminum ppm 1 0	Copper	ppm	1	1 2	 	
Aluminum ppm 1 2 Chromium ppm <1	Lead	ppm	0	- <1	 	
Chromium ppm <1	Tin	ppm	<1	0	 	
Molybdenum ppm <1	Aluminum	ppm	1	_2	 	
Nickel ppm 0 <1 Titanium ppm <1	Chromium	ppm	■ <1	<1	 	
Titanium ppm <1 0 Silver ppm 0 0 Manganese ppm <1	Molybdenum	ppm	<1	<1	 	
Silver ppm 0 0 Manganese ppm <1	Nickel	ppm	0	<1	 	
Manganese ppm <1 2 Vanadium ppm 0 0 ADDITIVES Calcium ppm 5 31 Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	Titanium	ppm	<1	0	 	
Vanadium ppm 0 0 ADDITIVES Calcium ppm 5 31 Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	Silver	ppm	0	0	 	
ADDITIVES Calcium ppm 5 31 Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	Manganese	ppm	<1	2	 	
Calcium ppm 5 31 Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	Vanadium	ppm	0	0	 	
Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	ADDITIVE	S _				
Magnesium ppm 3 146 Zinc ppm 3 8 Phosphorus ppm 1327 1291	Calcium	ppm	5	31	 	
Zinc ppm 3 8 Phosphorus ppm 1327 1291					 	
Phosphorus ppm 1327 1291	_			8	 	
The state of the s					 	
	-				 	

Marine Maintenance Of 7803 McElvey Rd PANAMA CITY BEACH, FL US 32408 Contact: Jody Kennedy jody@marinemaint.com T:

Diagnosis

F:

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP313024Unique No:9538625Signed:Don BaldridgeReport Date:10 Jun 2021

369

ppm

Boron

